

**Koutulovítí (Diptera: Psychodidae) Jizerských hor a Frýdlantska**

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

Lcp"LGfiGM³;. "Rcxgn"XQPK MC⁴" ( "Lk ¶"RTGKUNGT⁵

³" Gpvq o qnq i kem²" qff ngp¶" Pª tqfp¶j q" o w | gc. "Mwptcvekq"3. "E \ "ó"36: "22" Rtcj c"6  
g/ o ckn<"lcpalg | gm B p o le |

⁴" Ugxgtq gum²" o w | gw o. "Ocuct {mqxc"33. "E \ "ó"682"23" Nkdtge-"  
g/ o ckn<"rcxgn\ xqpkemc B o w | gw o ndle | "

⁵" Xnnc umª"8; 4. "E \ "ó"682"28" Nkdtge"8- "g/ o ckn<" r t g k u n g t d n d B u g | p c o l e |

**Abstract.** "Cnvq i gvjgt"54" i gpgtc"cpf"9: "urkegu"\*kpenl"qpg"uwdurkegu+"qh" o qvj" i kgu\*" o ckn{ "qh"vjg"uwdhc o kn{ "Ru{ejqf kpcg." ykvj" qpn{ "qpg" i gpwu"cpf"vyq"urkegu"qh"U {eqtcekpcg- "ygtg" tgeqtfgf"cv"9; "nqecnkvgu"kp"vjg"Lk | gtm²" jqt{ "Ovu"cpf" Ht fncpv"tgikqp" Fkuvtkdwwkqp"qh"vjgug"urkegu. "vjgk" r o rqtvcpeg"cpf"eqpugtxcvkqp"xcnwg" hqt"vjg"Lk | gtm²" jqt{ "Rtqvgevgf" Ncpfuecrg" Ctgc"ctg" fluewuugf" Vyq"urkegu"ctg"pgy" hqt"vjg"hcwpc"qh" Dqjg o k c: *Berdeniella kocii* Lgflgm."4228"cpf" *B. pyrenaica* Xckmcpv."3; 98- " *Saraiella rotunda* \*MtgM."3; 92+ "ku"pgy" hqt" Rqncpf" Qpg"pgy"pc o g" eq o d k p c v k q p " k u " r t q r q u g f. " *Psychomora mycophila* \*Xckmcpv."3; : : + "eq o d l p l. " c p f " k u u { p q p { o " *P. vanharai* Lgflgm."3; ; 7"ku"hwmm{ "tgeq i p k | g f l

**Key words:** "Fkrvgtc."Ru{ejqf kfcg."hcwpkvkeu."pgy"tgeqtfu."pc o g"eq o d k p c v k q p. "pcwvtg"eqpugtxcvkqp."Lk | gtm²" jqt{ "Ovu."Ht fncpv"tgikqp."E | gej" Tgrwdnke."Dqjg o k c."Rqncpf

—XQF

ngng "Ru{ejqf kfcg"lg"vczppq o kem{ "lgfpqw" | "pqlqdv¶flp l-¶ej"umwrkp"pg o cvqegtp¶ej" fkr/ vgtl" \ " r q f g n g f ¶ " R j n g d q v o k p c g. " D t w e j q o { k p c g. " J q t c k g m k p c g. " U { e q t c e k p c g. " V t k e j q o { k p c g " c " R u { e j q f k p c g " u g " r q w | g " v k' r q u n g f p " I o g p q x c p ² " x { u m { v w l ¶ " x g " u v g f p ¶ " G x t q r = " x " L k | g t m e j " j q t " e j " c " p c " H t f n c p v u m w " d { n { | l k - v p { " | c v ¶ " o " r q w | g " r q f g n g f k " U { e q t c e k p c g " c " R u { e j q f k p c g ¶ " \ " r c n g c t m v k e m ² " q d n c u v k " l g " | pª o q " x ¶ e g " p g f l " 7 2 2 " f t w j " g n g f k " R u { e j q f k f c g \* Y c i p g t " 3 ; ; 2 +. " c n g " l g - v " k " e g p v tª n p ¶ " G x t q r c " u m vª " p q x ² " f t w j { " r t q " x f w \* x k | " p c r ¶ " L g f l g m " 3 ; 9 ; . 3 ; ; 5 c . e . f . 3 ; ; 6 c . 3 ; ; 7 e . 3 ; ; 8 c . 3 ; ; 9 . 3 ; ; . 3 ; ; 9 c . d . 3 ; ; ; e . 4 2 2 4 . " 4 2 2 8 c = " L g f l g m " ( " Jª l g m " 4 2 2 9 + " c " o p q j q " h c w p k v k e m e j " p q x k p g m \* L g f l g m " 3 ; . 4 . 3 ; ; 6 . 3 ; ; 7 . 3 ; ; 8 c . d . 3 ; ; ; d . 4 2 2 4 . " 4 2 2 5 . " 4 2 2 8 d . e . f . " 4 2 2 9 = " L g f l g m " ( " Q o g n m q xª " 4 2 2 9 = " L g f l g m " ( " U e j c e j v " 4 2 2 8 + 0 " V c z p p q o k g " g n g f k " u g " e g n q u x v q x " x { x ¶ l ¶ " r g m q v p " c " t q | r q t w r n p ² " pª | q t { " p c " t q f { " c " x { - - ¶ " u { u v g o c v k e m ² " l g f p q v m { " l u q w " r c v t p ² " | pª u n g f w l ¶ e j " x { d t e p e j " r t c e ¶ " D t c x q ¶ g v " c n l \* 4 2 2 8 +. " F w e m j q w u g " ( " N g y k u \* 4 2 2 2 +. " L g f l g m " \* 3 ; 9 9 . " 3 ; ; 5 d . 3 ; ; 6 d . e . 3 ; ; ; c +. " L g f l g m " ( " x c p " J c t v g p \* 4 2 2 7 +. " L w p i \* 3 ; 7 8 +. " S w c v g \* 3 ; 7 7 +. " X c k n c p v \* 3 ; 9 3 / 3 ; ; 5 + " c " Y c i p g t \* 3 ; ; 2 . " 4 2 2 9 + 0 " o ¶ p p ² " r tª e g " l u q w " f n g f l k v ² " k | " j n g f k u m c " r q e j q r g p ¶ " | q q i g q i t e L g " l g f p q v n k x e j " f t w j ¶ " U { u v ² o " r q w f l k v " x " v ² v q " r tª e k " l g " m q p h t q p v c e ¶ " r w d n k m q x c p e j " x u n g f m " c " f n q w j q n g v ² | m w - g p q u v k " u g " x - g q d g e p " | pª o o k " v c z p p q o k e m o k " r t c e g o k " x - g " w x g f g p e j " c w v q t ¶

Lgflgm (2006d+ "wxgfn"rtq" gumqw"tgrwdnkmw"36: "ftwj "mqwwn¶."vl0"rtq" gej{ "349" c"rtq" Oqtcxw"345"ftwj 0"R gf"cjªlgp¶o"x |mw o w Lk |gtum ej"jqt" c"Ht fncpvumc"x"tqeg"4222"pgd{n{ "rwdnkmqxªp{ " | " v ² v q " q d n c u v k " f lª f p ² " f t w j { " m q w w n ¶ 0

Fgur nek"mqwvwnf"xgnkmqv/4/5" o o+"ug"x{um{vwlf"pc"xnjm ej"}cuvf p p ej" o fuvgej"x"qmqr" rtc ogp .rt ucm 'urqfpf'ej" c"rqxtejqx ej"xqf."xqfpf'ej"p"afllf" c" |gl o 2pc" ocn ej"vqm 0"Nctx{" ug"x{x|glf" x" |cjp|xfcl'ef" o" qticpkem 2 o" o cvgtk"anw" oq "an " \*tqf{" *Peripsychoda*. *Clytocerus*." *Pneumia* c" *Ulomyia*+. "pc" |xnj gp 2 o" rqxtejw"lgk'ej"mc o gpkv 2 j q" uduwt"avw" \*uudvtkdwu" *Mormiina*." tqf{" *Berdeniella* c" *Pericomat*+. " k"x" ogejqx ej" rqn-v" a'fej" rtc o gpk- " \*tqf{" *Mormia*." *Pericoma*. *Tonnoiriella*+0" X xql"nctgx" rtdqf'j" avcm 2" xg"uejt"apm"ej"wj{j pwn ej" o mm - " \*tqf" *Philosepedon*+. "x"pcrcxgpkp"ej" r'fumw" c"-v tmw" \*tqf" *Parajungiella*+. "pc" |nglqkxv 2 o" r qxcnwmw" mc o gp " d{uv kp" \*tqf{" *Berdeniella* c" *Bazarella*+. "x"vtqwejpkx 2 o" f gx " \*tqf" *Trichomyia*+. "x" fwwkp"ej" uvtq o " \*tqf" *Sciria*+. "x"jqwd"ej" \*tqf" *Chodopsycha*+. "x"mcnk-v'fej" f kxqm 2" |x g" \*tqf" *Logima* c" f qmqpeg" k"x"gzmtg o gpvgej" c" o q " |pg k-v p ej" uduwt"avgej" \*vtdkwu" Ru{ej qf kpk+0" \ "avwrek" tqfw" *Sycorax*" uclf" mtgx" qdqllfkxgnp'fm 0

### OGVQFKMC" C" O CVGTK f N

Ocvgtk"n d{n" f"um"p"x"hgvej"422264229"t |p o k'o gqvfcok'ud tw'pc'9; 'hqmcnk'v'ej" \*pcx'f'pc'9; 'f'n'fej"dkvqrgej'+0" Rqftqdp l-f"x{ o g|gp" c" e jctcmvgtkukmc" ungfqxcp 2 j q" A |g o f' xk| "Xqpk mc" ("Xk- "am" \*422: +0" Pgl cuv lk' rqwfl'xcpqw" gzv'p|f'xp" o gvfq'w'ud tw" \*r'qw|g" k'o "a i c+d{n" r gtw-qxcp "mt"vmqf'qd "u o {m'pc' xg'ig'ccek" \*d g j { "vqm "c' xqfp'ej" p" afllf. " o qm cf { " .tc-gnkp-k- . " rtc o gpk-v . " rt ucm { " crqf'f+0" P'cud'f'tcp " o cvgtk"n d{n" w u o teqx" p"x'gzj cwuvtw'ukt p o" gvjgtg o . " vtc'p'ur'q'v'qx" p" c' fgr'p'p'x" p" x'97' " 'gvjcp'q'w' |Og|k'kp'v'p|f'xp" o gvf' f'ud tw" r'cv knc" c'rnkmc'eg" rncv'qx ej" flaw ej" o kugm" X |mw o "mqwvwnf" rtdqf'jc'n" k'|c' r'q'w'f'k'v' fcn- 'fej" v{r " r'cu'f' .wxg'f'gp ej" x'p" ungf'w'f'ef" o" r' g'jng'f'w'x-gej" r'q'w'f'k'v' ej" o gvf'ud tw" c'ud' tcvgn " \*|mtcm" |luqw' r'q'w'f'k'v { "x" r' g'jng'f'w' hqmcnk+v

DV ó d'ggt { 'vtrcu" \*rxp'f' r'cu'k+=GV'ó g ogti'p'peg'vtrcu" \*g ogti'g'p'p'f' r'cu'k+=OV'ó O'cnckug'vtrcu" \*O'cnckug'j'q' r'cu'k+=RV'ó r'tq'g'p'vtrcu" ó g'cv'vtrcu" \*r'tq'g'p'q'x 2 . " o cuqx 2" r'cu'k+=R | T ó'r {tc o k'f'cn'vtrcu" \*r {tc o k'f'ap'f' r'cu'k+= [RV'ó { g'nnq'y" r'cp'vtrcu" \*flwv 2" o kum { + . "x-g' L0' R'tgk'ungt" ( "R0' X'q'p'k' mc' n'v0=U'Y' ó' u'y' g'g'rkp' \*u o m'p'f' x'g'ig'c'ceg' g'p'v'q o q'q'ikem'q'w' u'f'f' . " L0' L'g'f'lm. L0' R'tgk'ungt. "R0' E'j'x'q'lmc. "R0' N'cw'v'gt'g't'ni'v0' R'q'f'tqdp "v {vq" o gvf'f' r'q'k'uw'lg' X'q'p'k' mc" \*422: +0

\ "p m'q'k'mc' v'k'uf'e'p'cud'f'tcp ej" mwu "d{n { "x {v f'f' p' |r'tq' m'x'cn'k'cv'k'xp'f'x {j'q'f'p'q'x" p'f' r'q'w|g" x d tqx 2" f'q'm'c'f'q'x 2" g'z'g o r'n" g'lg'f'p'q'v'nx ej' f'tw j " \*r'q'lg'f'p'q o'g'z'g o r'n" k'f'tw'j'w' |m'c'f'f'2' hqmcnk'v { "c'f'c'v'c+ . "m'vgt 2' d{n { |c o q'p'v'x" p' |f'q' o'k'm/ tqum'q'rkem ej' r'tg'rc't" v' 0'X-gej'p { "x {j'q'v'x'g'p 2' r'tg'rc't" v' { "m'q'w'vwnf" \*327: +luqw'f'g' r'p'q'x'c'p 2" x'g'ud'f'eg' g'p'v'q o q'q'ikem 2' j'q' q'f'f' ngp'f' P" a' t'q'f'p'j'q' o'w|g'c'X' R'tc|g0' X'g-mgt " o cvgtk"n f'g'vgt o k'p'q'x'cn' r'txp'f'cw'q't' r't" e'g0' R'q'w'f'k'v" p'q o g'p'm'c'v'tc" c" |g'p'f' f'tw j "lg' r'q'f'ng' L'g'f'lmc" \*4228c+0

### R g'jng'f' hqmcnk'v

—fcl'g'm' hqmcnk'v o "luqw'wxg'f'g'p { "x'p" a' ungf'w'f'ef" o' r'q' c'f'f'c' f'unc'p" a' |g'x' hqmcnk'v { \*q'dge. " a' u'q'dge. "e'j't" p p 2" A |g o f' . " xtej'q'n' crqf'f' . " h'c'w'p'k'v'k'em " o' crqx " v'x'gtge" \*R'tw'p'gt" ("O'f'mc 3 ; ; 8+ . " p'c'f' o'q' u'm" x -mc. "dk'q'qr. "f'c'w o " \*k'p'v'gt'x'cn+ud / tw. " |m'tc'v'mc" o gvf'f'ud tw' c'w' u o {m " l'o 2'p'q'ud' t'cv'ng" \*r'q'm'w'f'p'g'p'f'wx'g'f'g'p'q' |l'k'p'cm. " r'nc'v'f'c' U'Y. " L0' L'g'f'lm' n'v0+0" P' m'vgt 2" n'q'm'c'k'v { "luq'w't'q' |f' ngp'f' p'c'x'f'eg' d'k'v'q'r . "m'vgt 2" luq'w'q' |p'c' g'p { "r'f'u o g'p {0' F'cn- f' r'q'w'f'k'v 2" |m'tcm { <PRT'ó' p" a' t'q'f'p'f' " f'q'f'p'f' t'g |g'tx'ceg. "RT'ó' r' " f'q'f'p'f' t'g |g'tx'ceg. "RR'ó' r' " f'q'f'p'f' r'c o " a'v'mc0

[1] **Albrechtice v Jizerských horách**. "7479. "872" o . " rtc o gpk-v "w'e'j'cnw'r { "pc' |x0' q'm't'cl'k' q'deg" \*q'f'rc'f'm { +. "450X042220" [2] **Arnoltice** \*q'dge' D'wn'q'x'mc+. "7278. "522" o . "D'wn'q'xum "r'q'v'qm. "330XKK04225. "U'Y. "L0' R'tgk'ungt' n'v0" [5] **D'g'f' k'ej'q'x**. "7478. " xtej' " O'cnk'p'f'm. " : 48" o . "D'g'f' k'ej'q'xum 2" ug'f'q. "997" o . "e'j'c'v'c' F'k'p'c. "972" o " \*ux'c'j' " u'v't'w'f'lm'c+. "440X042240" [6] **D'g'f' k'ej'q'x' xq'f'p'p" p" afllf**. "7378. "972" o < [4a] "u'w'f' p'mc. "440X04224= [4b] "70Z03 ; ; 7. "U'Y. "R0' E'j'x'q'lmc' n'v0" [5] **Bílý Potok**. "7379" [5a] " o qm cf { "c'x'njm 2" n'q'w'f' { "p'c'f' m'q'w'rc'nk-v o " |k'f'p' "q'f' q'deg. "632" o . "40Z04224. "440X04225. "x-g' U'Y. "L0' R'tgk'ungt' n'v0= 530X04226. "40X04227= [5b] " o qm cf { . "n'q'w'f' { "c' r'cu'v'x'k'p { "r'q'f' 2" n' D'f' 2" j'q' r'q'v'q'mc. "642" o . "440X04225. "U'Y. "L0' R'tgk'ungt' n'v0= 40X04227= [5c] "t {dp'f' m { "u'x0' q'f' f'lg'f' n'v'c'p'k'eg. "672" o " \*r'tc o gpk-v . " o qm cf +. "50X042270" [6] **Bukovec PR**. "737: < [6a] ngup'f' rtc o gpk-v "pc' |x0' u'x'c'j'w. " ; 42" o . "530X04225. "U'Y. "L0' R'tgk'ungt' n'v0= 70/380X0'c' 380/4 ; 0X04225. " [RV= [6b] "R'tc'q'w'q'mc. " ; 22" o " \*j'q'tum" a' h'q'w'mc. "rtc o gpk-v + . "430X04228= 70/420XKK04225. "R | T= [6c] "W'r'q'p'q'x" a' h'q'w'mc. " : 2" o " \*o qm cf +. "3 ; 0/420 X042290" [7] **Bulovka**. "7278. "522" o < [7a] "u'q'w'v'x'c' ngup'f'ej' t {dp'f' m . "h'q'x'gem" a' e'j'c'v'c. "j't'c'p'k' p'f' m" o g'p' ; 6142" \* o qm c/ f { +. "30X04227= [7b] "u'q'w'v'x'c' ngup'f'ej' t {dp'f' m . "t'q' |x'c'k'p { "U'v'c't 2' j'q' o'n' p'c. "j't'c'p'k' p'f' m" o g'p' ; 6145" \*q'n-k'p'c+. "30X042270" ]: . " g'tp'q'w'u { "X' R'q'k. "7278. "472" o . "u'q'w'v'x'c' t {dp'f' m "x' e'j'q'f'p' "q'f' q'uc'f' { < [8a] : "0KZ04226= [8b] " o qm cf "w' r' f'v'q'mw" f'q' t {dp'f' m. "460X0/ : 0Z04229. "O'V0 ; " gum "m'w o d'w'tm" \*q'dge' V'c'p'x'cn'f+. "7479. "842" o . " |k'f'p'f' u'x'c'j' p'c'f' A'f'q'f' o " r'q'v'q'mc" L'g-m'tc'dge" \*rtc o gpk-v . "r'q'v m { . "h'gu. "h'q'w'f' . " | " a'v'x'c'dc+. "390X04224. "520X042270" [10] **Dolní Maxov** \*q'dge' L'q'uh' x'F' n'f. "

7479.'792' o < [10a]nw p<sup>f</sup>r<sup>v</sup> gm<sup>c</sup> o qm kp { 'r<sup>q</sup>f' Dtegue j e u k g f q x q w m c r n k m q w . ' 3 ; 0 X K 0 4 2 2 4 = [ 1 0 b ] u x c j q x <sup>2</sup> r t c o / p k - v ' r q f ' O c z q x m o ' x t e j g o . ' 3 ; 0 X K 0 4 2 2 4 = [ 1 0 c ] r q v g m ' c ' c j t c f c ' w ' t g m t g c p f ' e j c n w r { ' r q f ' O c z q x m o ' x t e j g o . ' 4 7 0 X 0 4 2 2 2 0 ' [ 1 1 ] D o l n í P o l t o r t e . ' 7 2 7 8 . ' 4 8 2 ' o . ' R c p g p u m ' t { d p f m . ' 3 0 X K 0 4 2 2 7 0 ' [ 1 2 ] D o l n í P o l u b n ý \* q d g e ' F g u p ' a x L k | g t u m e j j q t ' e j + . ' 7 4 7 9 . ' 8 2 2 ' o . ' u v t w f l m c ' w ' f l g n g | p k p f ' v t c v k . ' 4 5 0 X 0 4 2 2 2 0 ' [ 1 3 ] F e r i n a n d o v \* q d g e ' J g l p k e g . ' 7 3 7 8 / 7 9 . ' 5 9 2 ' o . ' u q w v q m ' O c n <sup>2</sup> j q ' c ' X g m <sup>2</sup> j q ' w ' m q r k e j w \* x n j m <sup>2</sup> n q w m { + . ' 3 ; 0 X K 0 4 2 2 3 . ' 4 2 0 X K 0 4 2 2 4 - ' 3 ; 0 X K K K 0 4 2 2 6 . ' U Y . ' L ' R ' E j x q l m c ' n i v ' [ 3 6 ] H q l v g e m ' o q m c f ' R R . ' 7 3 7 8 . ' 5 9 2 ' o . ' 3 ; 0 X K 0 4 2 2 3 = ' 3 ; 0 X K 0 4 2 2 5 . ' U Y . ' L ' L ' g l f g m ' ( ' L ' R ' t g k u n g t ' n i v ' [ 1 5 ] F o j i t k a \* q d g e ' O p f - g m . ' 7 3 7 8 . ' 6 7 2 ' o < [ 1 5 a ] ' u v t w f l m c ' w ' u k n p k e g . ' 3 8 0 X K 0 4 2 2 5 = [ 1 5 b ] ' r q v q m ' H q l v m c . ' 3 8 0 X K 0 4 2 2 5 ' [ 1 6 ] F r ý d l a n t . ' 7 2 7 8 < [ 1 6 a ] ' \ ' o g e m ' q m t g u . ' 5 4 2 ' o . ' t { d p f m ' g m ' r q f ' f l g n ' v t c v k . ' 4 5 0 X 0 4 2 2 2 0 ' [ 1 7 ] H a r t a \* q d g e ' H t f n c p + . ' 7 2 7 8 . ' 5 9 2 ' o . ' 3 ; 0 X K 0 4 2 2 3 = ' 3 ; 0 X K 0 4 2 2 5 . ' U Y . ' L ' L ' g l f g m ' ( ' R ' X q p k m c ' n i v ' [ 1 7 ] H a r t a \* q d g e ' H t f n c p + . ' 7 2 7 8 . ' 4 8 2 ' o . ' Á f q m ' g m { ' U o f <sup>2</sup> \* d g j { ' c ' r ' f y q m { + . ' 3 4 0 X 0 4 2 2 8 . ' U Y . ' L ' R ' t g k u n g t ' n i v ' [ 1 8 ] H e j n i c e . ' 7 3 7 9 < [ 1 8 a ] ' o q m c f ' l x ' o ' q f ' q d e g . ' 5 : 2 ' o \* q m t c l ' n g u c + . ' 4 0 X K 0 4 2 2 8 = [ 1 8 b ] ' t { d p f m { ' r q f ' x t e j g o ' Q g - p f m . ' 6 2 2 ' o \* r q v g m + . ' 4 0 X K 0 4 2 2 7 0 ' [ 1 9 ] H o r n í g t p \* U w f p k e g \* q d g e ' P q x ' X g u ' p c f ' P l u q w + . ' 7 4 7 9 . ' 9 7 2 ' o \* x n j m <sup>2</sup> n q w m { . ' o q m c f . ' q n - k p c + . ' 3 7 0 X K K K 0 4 2 2 3 . ' U Y . ' L ' R ' t g k u n g t ' n i v ' 4 5 0 X K 0 4 2 2 8 ' [ 4 2 ] ' J q t p f ' N w c p \* q d g e ' N w c p { ' p c f ' P l u q w + . ' 7 4 7 9 . ' 8 9 2 ' o . ' t { d p f m ' m ' u + m . ' 3 9 0 X K 0 4 2 2 5 ' [ 2 1 ] H o r n í M a x o v \* q d g e ' N w c p { ' p c f ' P l u q w + . ' 7 4 7 9 . ' 9 2 2 / 9 5 2 ' o < [ 2 1 a ] ' o q m c f { ' w ' u k n p k e g ' u o ' t ' J q t p f ' N w c p { . ' 3 ; 0 X K 0 4 2 2 4 = [ 2 1 b ] ' r q v g m . ' o q m c f { ' c ' n q w m { ' w ' m q u y g n c . ' 4 7 0 X 0 4 2 2 2 = [ 2 1 c ] ' r q v g m . ' o q m c f { . ' t g m t g c p f ' e j c n w r { ' w ' u k n p k e g ' u o ' t ' L q u g h x ' F n . ' 4 7 0 X 0 4 2 2 2 0 ' [ 2 2 ] H o r n í P o l t o r t i c e \* q d g e ' R g t v q m k e g . ' 7 2 7 8 . ' 5 2 2 ' o < [ 2 2 a ] ' J t c p k p f ' t { d p f m . ' o q m c f { ' w ' x ' v q m w . ' 3 0 X K 0 4 2 2 7 = ' f w q . ' r q f o a ' g p ' q n - k p c . ' 4 6 0 X 0 4 2 2 9 . ' D V . ' O V . ' R V = [ 2 2 b ] ' m a m x ' t { d p f m \* o q m c f { + . ' 3 0 X K 0 4 2 2 7 0 ' [ 2 3 ] H o r n í P o l u b n ý \* q d g e ' M q g p q x + . ' 7 4 7 : . ' 9 2 2 ' o < [ 2 3 a ] ' o q m c f . ' r q v g m u o t ' P q x { ' F q o m { . ' 4 6 0 X 0 4 2 2 2 = [ 2 3 b ] ' o q m c f { . ' n q w m { . ' r q v g m x ' Á f q m ' l x ' o ' q f ' q d e g . ' 5 2 0 X 0 4 2 2 7 . ' 3 ; 0 X K 0 4 2 2 8 ' [ 4 6 ] ' J t c d v i e g \* q d g e ' L c p q x ' p c f ' P l u q w + . ' 7 4 7 9 . ' 9 7 2 ' o < [ 2 4 a ] ' o q m c f ' r q f ' e j c v q w ' C t p k m c . ' 4 5 0 X 0 4 2 2 4 . ' U Y . ' L ' L ' g l f g m ' ( ' R ' X q p k m c ' n i v ' [ 2 4 b ] ' x n j m <sup>2</sup> n q w m c ' r q f ' e j c v q w ' V g u c p m c . ' 4 5 0 X 0 4 2 2 4 = [ 2 4 c ] ' r q v q m ' V k e j ' a ' f ' m c ' x n j m <sup>2</sup> n q w m { ' w ' d ' x c n <sup>2</sup> L o d n q u g e m <sup>2</sup> e j c v { . ' 4 5 0 X 0 4 2 2 4 0 ' [ 4 7 ] ' J t c p k p \* \* q d g e ' L c p q x ' p c f ' P l u q w + . ' 7 4 7 8 . ' 8 7 2 ' o \* n q w m c . ' r t c o g p k - v + . ' 4 5 0 X 0 4 2 2 4 0 ' [ 2 6 ] J a b l o n e c n a d N i s o u . ' 7 4 7 9 . ' 7 2 2 ' o . ' x q f p p ' p ' f t f l ' O - g p q \* o q m c f { . ' r t c o g p k - v . ' r q v q m + . ' 3 9 0 X K 0 4 2 2 5 ' [ 4 9 ] ' L g f n q x ' f ' n ' R T . ' 7 4 7 9 . ' 8 9 2 ' o . ' r q v q m ' L g f n q x . ' 3 ; 0 / 5 2 0 X 0 4 2 2 7 . ' 3 8 0 X K 0 / 8 0 X K K 0 4 2 2 7 . ' O V ' [ 4 : ' L l p f k e j q x m ' o q m c f ' R R . ' 7 4 7 9 . ' 8 2 2 ' o . ' 3 9 0 X K 0 4 2 2 5 ' [ 4 : ' L k g n p ' r q f ' D w m q x q w . ' 7 4 7 9 . ' 7 7 2 ' o . ' x n j m <sup>2</sup> n q w m { ' p c f ' q d e f ' u o t ' J q t p f ' N w c p . ' 3 9 0 X K 0 4 2 2 5 ' [ 3 0 ] J i z e r k a \* q d g e ' M q g p q x + . ' 7 3 7 : . ' : 8 2 / ; 3 2 ' o \* r q f <sup>2</sup> n u k n p k e g + . ' 3 5 0 X K 0 4 2 2 3 . ' U Y . ' R ' N c w y g t g t ' n i v ' [ 3 1 ] K a r l o v \* q d g e ' L q u g h x ' F n . ' 7 4 7 9 . ' 9 2 2 ' o . ' r q v q m ' V k e j ' a ' f ' m c . ' 4 7 0 X 0 4 2 2 2 . ' 4 5 0 X 0 4 2 2 4 0 ' [ 5 4 ] ' M q g p q x . ' 7 4 7 : . ' 8 : 2 ' o . ' r q v q m . ' o q m c f { ' r q f ' f l g n ' u w c p k e f . ' 3 ; 0 X K 0 4 2 2 8 ' [ 5 5 ] ' M t \* u p \* U w f a \* p m c \* q d g e ' N k d g t g e . ' 7 3 7 8 . ' 5 : 2 ' o \* o q m c f . ' r q v g m + . ' 8 0 X K K K 0 4 2 2 3 . ' U Y . ' L ' R ' t g k u n g t ' n i v ' : 3 ; 0 X K 0 4 2 2 5 ' [ 5 6 ] ' M f l i q x ' r e j t ' R T . ' 7 2 7 8 . ' 5 4 2 ' o . ' o q m c f { ' w ' g m o . ' f 2 . ' 5 3 0 X 0 4 2 2 6 ' [ 3 5 ] K u n r a t i c e \* q d g e . ' 7 2 7 8 . ' 4 : 2 ' o . ' o q m c f ' w ' r e u v x p k { . ' 4 4 0 X K 0 4 2 2 8 ' [ 5 8 ] ' N a | p ' N k d x g t f c . ' 7 3 7 9 . ' 6 2 2 ' o < [ 3 6 a ] ' r e u v x p k { ' p c ' x e j q f p f o ' q m t c l k ' q d e g \* m t x c p . ' r q v g m + . ' 4 2 0 X K 0 4 2 2 4 = [ 3 6 b ] ' N k d x g t f u m ' t { d p f m . ' N k d x g t f u m ' r q v q m . ' 4 2 0 X K 0 4 2 2 4 . ' 3 ; 0 X K 0 4 2 2 5 \* u o { m ' m o g p ' q n - f ' r q f ' g - v k + . ' 3 0 X K 0 4 2 2 6 ' [ 5 9 ] ' N k d g t e / T w r t g e j v i e g . ' 7 4 7 8 . ' 6 7 2 ' o . ' x { u e j n ' r q v g m u x g x t p ' q f ' U v t a f l p j q ' d w m c . ' 3 8 0 X K 0 4 2 2 5 ' [ 6 0 ] ' N k d g t e / X g u g e . ' 7 4 7 8 . ' 5 8 2 ' o . ' Á f q m ' X g u g e m <sup>2</sup> j q ' r q v q m c . ' 5 2 0 X K K K 0 4 2 2 3 . ' 9 0 X K K K 0 4 2 2 6 . ' 3 8 0 X K K K 0 4 2 2 6 . ' U Y . ' L ' R ' t g k u n g t ' n i v ' [ 5 : ' N w c p { ' p c f ' P l u q w + . ' 7 4 7 9 . ' 8 2 2 ' o < [ 3 9 a ] ' x n j m <sup>2</sup> n q w m { ' u x g x t p ' q f ' q d e g . ' 3 9 0 X K 0 4 2 2 5 = [ 3 9 b ] ' x n j m <sup>2</sup> n q w m { ' w ' m q w r c n k - v . ' 3 9 0 X K 0 4 2 2 5 ' [ 6 2 ] ' N w f x m q x ' r q f ' U o t m g o \* q d g e ' P q x <sup>2</sup> O u v a ' r q f ' U o t m g o + . ' 7 2 7 9 . ' 6 5 2 ' o < [ 4 0 a ] ' r e u v x p k { ' | ' a r c p f ' q f ' q d e g . ' 4 2 0 X K 0 4 2 2 8 = [ 4 0 b ] ' v t c e p ' r q v q m . ' 4 2 0 X K 0 4 2 2 4 ' [ 4 1 ] M a l á U v t c e p ' R T . ' 7 4 7 9 . ' 9 2 2 / 9 4 2 ' o \* x n j m <sup>2</sup> n q w m { . ' o q m c f { ' t { d p f g m . ' r q v q m + . ' 4 7 0 X 0 4 2 2 2 . ' 4 5 0 X 0 4 2 2 4 = 3 9 0 / 4 5 0 X 0 4 2 2 4 . ' [ R V = 3 2 0 / 4 8 0 X 0 4 2 2 5 . ' O V = 4 0 X 0 4 2 2 6 ' [ 4 2 ] M a r i á n s k o h o r s k é b o u d y \* q d g e ' C n d t g e j k e k l g t u m e j j q t ' e j + . ' 7 4 7 9 . ' 9 7 2 ' o \* o q m c f { . ' u v t w f l m c ' w ' e j c n w r + . ' 3 ; 0 / 4 2 0 X K 0 4 2 2 3 ' [ 6 5 ] ' O g e p f t { ' U o f <sup>2</sup> ' R T . ' 7 2 7 8 . ' 4 4 2 ' o < [ 4 3 a ] ' t { d p f m ' F w d a m \* o q m / k p { + . ' 0 K 0 4 2 2 6 . ' U Y . ' L ' L ' g l f g m ' ( ' L ' R ' t g k u n g t ' n i v ' : 5 3 0 X 0 4 2 2 7 - ' 3 ; 0 X K K K 0 / ' 6 0 K Z 0 4 2 2 7 . ' G V \* l k f p f ' d j ' t { d p f m c + ' [ 4 3 b ] ' t { d p f g m u x ' o ' q f ' t { d p f m w ' F w d a m \* o q m c f . ' r q f o a ' g p ' q n - k p c + . ' 5 3 0 X 0 4 2 2 7 = 4 4 0 X K 0 / 7 0 X K K 0 4 2 2 7 . ' O V = [ 4 3 c ] ' J x | f k e q x ' a v ' | u ' o ' q f ' t { d p f m w ' F w d a m . ' 0 K Z 0 4 2 2 6 = [ 4 3 d ] ' c r m q x c v ' w ' q u e f { ' R g f n ' p e g . ' 0 K Z 0 4 2 2 6 ' [ 4 4 ] M i n k o v i c e \* q d g e ' X k - q x + . ' 7 2 7 8 . ' 4 7 2 ' o \* r q v q m . ' o q m c f { + . ' 4 4 0 X K 0 4 2 2 8 ' [ 4 5 ] M n i š e k . ' 7 3 7 8 . ' 5 : 2 ' o < [ 4 5 a ] ' u n g r k f ' u v t w q j c . ' 3 8 0 X K 0 4 2 2 5 = [ 4 5 b ] ' x n j m <sup>2</sup> n q w m { ' w ' f l g n ' u w c p k e g . ' 4 6 0 X 0 4 2 2 5 . ' U Y . ' L ' R ' t g k u n g t ' n i v ' : 3 8 0 X K 0 4 2 2 5 ' [ 4 6 ] N o v á l o u k a P R . ' 7 3 7 8 / 7 3 7 9 . ' 9 9 2 ' o < [ 4 6 a ] ' d g j ' D n c p <sup>2</sup> j q ' r q v q m c \* t e - g n k p p + u o t k p c + . ' 5 2 0 X K 0 / 3 9 0 X 0 4 2 2 4 . ' 7 0 / 3 9 0 X 0 4 2 2 4 . ' 4 : 0 X K 0 / 3 2 0 X K K 0 4 2 2 4 . ' x - g ' O V ' [ 4 6 b ] ' q m t c l ' u o t m g o <sup>2</sup> j q ' n g u c \* g z m t g o g p v { | x g t . ' 4 4 0 X 0 4 2 2 4 0 ' [ 6 9 ] ' P q x ' X m c \* q d g e ' M q g p q x + . ' 7 4 7 : . ' 9 7 2 ' o \* x n j m <sup>2</sup> n q w m { + . ' 3 ; 0 X K 0 4 2 2 4 0 ' [ 6 : ' P q x <sup>2</sup> O u v q ' r q f ' U o t m g o . ' 7 2 7 9 . ' 7 7 2 ' o . ' W u r ' a n g p <sup>2</sup> j q r q f { ' x n j m <sup>2</sup> n q w m { . ' u v t w q j { + . ' 4 2 0 X K 0 4 2 2 4 0 ' [ 4 9 ] N o v i n a \* q d g e ' F g u p ' x L k | g t u m e j j q t ' e j + . ' 7 4 7 9 . ' 9 7 2 ' o < [ 4 9 a ] ' t c - g n k p k - v . ' u v t w f l m c { ' r ' u k n p k e k ' u o t ' U q w - . ' 4 6 0 X 0 4 2 2 2 = [ 4 9 b ] ' n w p ' r t c o g p k - v ' x ' q u e f . ' 4 6 0 X 0 4 2 2 2 0 ' [ 7 2 ] ' P q x { ' F q o m \* q d g e ' F g u p ' x L k | g t u m e j j q t ' e j + . ' 7 4 7 : . ' 9 7 2 ' o \* n w p ' r t c o g p k - v ' r q v g m + . ' 4 6 0 X 0 4 2 2 2 0 ' [ 7 3 ] ' Q n f k e j q x ' J ' P ' o m j . ' 7 3 7 8 . ' 6 2 2 ' o < [ 5 1 a ] ' a v ' P c ' R i m ' e j . ' r q v q m ' L g k e g \* n q w m { . ' c j t c f c + . ' 3 ; 0 X K 0 4 2 2 3 = [ 5 1 b ] ' a v ' D g w <sup>2</sup> o . ' r q v q m ' O c n ' L g k e g \* r e u v x p k { . ' r t c o g p k - v + . ' 3 ; 0 X K 0 4 2 2 5 ' [ 7 4 ] ' Q n f k e j q x m <sup>2</sup> u g f i q . ' 7 3 7 8 . ' 7 2 2 ' o . ' X l p k p ' a v ' e g u c \* d w k p c + . ' 3 9 0 X 0 / 5 0 X K 0 4 2 2 5 . ' 5 0 / 3 ; 0 X K 0 4 2 2 5 . ' x - g ' [ R V ] [ 5 3 ] P a s e / k y n a d J i z e r o u . ' 7 4 7 : . ' 7 9 2 ' o . ' O c m q x m ' r q v q m \* q m t c l ' n g u c + . ' 0 K Z 0 4 2 2 6 ' [ 5 4 ] P e k l o \* q d g e ' T e u r g p e x c + . ' 7 3 7 9 . ' 5 7 2 ' o < [ 5 4 a ] ' R g m g n u m ' r q v q m . ' 3 ; 0 X K 0 4 2 2 5 = [ 5 4 b ] ' t { d p f m ' R g v t \* r ' f y q m { . ' 3 ; 0 X K 0 4 2 2 5 ' [ 5 5 ] P l a v y . ' 7 4 7 9 . ' 6 2 2 ' o . ' Á f q m ' R t q t w d / u m <sup>2</sup> j q ' r q v q m c \* t { d p f g m . ' n g u p f ' r q v q m + . ' 4 5 0 X K 0 4 2 2 8 ' [ 5 6 ] P o l e d n í k \* x t e j q n . ' P R T ' L k | g t u m q j q t u m <sup>2</sup> d w k p { + . ' 7 3 7 8 . ' : 7 2 ' o \* d w k p c + . ' 4 0 / 4 7 0 X K 0 4 2 2 6 . ' O V = 5 2 0 X K K 0 / 3 6 0 X K K K 0 4 2 2 6 . ' [ R V \* p a x p c f c ' j p l ' [ 5 7 ] P o u s t e c k á o b o r a \* x e j q f p ' q f ' q u c /

f{"Rqvwmc."qdge"Xl- qx+.7278."4:2"o."Dwnqxm "rqvm."ngupf"t{dpfm{.440XK042280}[58] Pustiny\*<sup>o</sup>qdge" Fgup<sup>o</sup> x"lk|gtum ej"jqt<sup>o</sup>ej+.7479/747:.872"o."rqv m{"c"rtcogpk-v "rqf"n{flc um o"xngng o".450X042220}[7];\_Tcf keg<sup>o</sup>qdge"Nkdgtge".7378."622"o."Rgvtqxc"mcrng<sup>o</sup>\*xnjm<sup>o</sup>"nqw mc."rqv gm+.3;0XK042250}[82\_T<sup>o</sup>f<sup>o</sup>q"pcf"mqwrnk-v o"<sup>o</sup> PP".7478."772"o."oqm cf."xnjm<sup>o</sup>"nqwmc."520XK042230"U.Y."L0Rtqkungt"ni v0"[61] Raspenava."7278/7378."542/572"o<"[61a] Jcmgp x"t{dpfm."rqvm"vqnrkej<sup>o</sup>\*vwtwflm{."p<sup>o</sup> jqp"rtq"o cnqw"ngmvt<sup>o</sup>tpw."rcuvxlp{+.420XK04223."530X04226-[61b] Jqawd"rqvmc."oqm cf"rqf"flg"vtc{f".440XK04228-[61c]Hctum<sup>o</sup>"nqwmc."520XK04225."U.Y."L0Rtqkungt"ni v0"[61d]Rgmgn/ um "rqvm."3:0XK04225."30XK04226-[61e]uqvwqm"u o f<sup>o</sup>2"cnq o pkeg."420XK04223-[61f]v "X<sup>o</sup> rgpmc<sup>o</sup>\*|cvqrgp "nq o" rrf"X<sup>o</sup> rgpp o" xtejg o+.420XK042230}[84\_T<sup>o</sup>c-gnkp-k-v "lk|gt{ NPR<[62a]X<sup>o</sup> Oq<sup>o</sup> ngej<sup>o</sup>\*u|0" <sup>o</sup>uv+.7379:.92"o" \*tc-gnkp<sup>o</sup>u o t kpc+.430XK04223."U.Y."L0Lgflgm" ("R0Xqpk mc"ni v0=390X0/60XK04224."60/390XK04224."390/4:0XK04224." x-g"O V=[62b]qmqr<sup>o</sup>Mt<sup>o</sup>up<sup>o</sup>2 j<sup>o</sup>q<sup>o</sup>rqvmc<sup>o</sup>\*uv gf p<sup>o</sup>" <sup>o</sup>uv+.tc-gnkp-k-v ".430XK04223-[62c]Xgmm<sup>o</sup>"Lk|gtum<sup>o</sup>"nqwmc<sup>o</sup>\*x0" <sup>o</sup>uv."ux0" qf"RT"t{d<sup>o</sup>fqw m{+.737:.52"o"\*tc-gnkp-k-v ".tc-gnkp<sup>o</sup>u o t kpc."d gj"lk|gt{+.430XK04223"nqwf|g"v"ngupf"eguv{+.U.Y." L0Lgflgm" ("R0Xqpk mc"ni v0=40XK04223."U.Y."L0Rtqkungt"ni v0"[63] Rejdice<sup>o</sup>qdge" Mq gpqx+.747:.822/872"o<"[63a]r<sup>o</sup>rqvm" Lg-mtcdge<sup>o</sup>\*uxcj qx<sup>o</sup>2"rtcogpk-v +.50XK04226."L0Lgflgm" ("L0Rtqkungt"ni v0=;0KZ04226-520X04227-520X0/380XK04227." 380XK04227/30XK04227."30/440XK04227."x-g"GV=[63b]e jcvc"Repqt c o c<sup>o</sup> qmtcl"nguc."oqm cf."vwtwflm+.390XK04224-[63c]rgp|kq<sup>o</sup>J cto ep<sup>o</sup>"r<sup>o</sup> f<sup>o</sup>qm"rqvmc"lg-mtcdge<sup>o</sup> oqm cf.".520X042270"[64] Rudolfov<sup>o</sup>qdge"Nkdgtge+.7478."852"o<" [64a]W"ngmvt<sup>o</sup>tp{"\*rtcogp"w ukpkeg."vwtwflm+.440X04224-[64b] gum<sup>o</sup>ejcnwrc<sup>o</sup>\*ngupf" oq<sup>o</sup> n{uo t"Dgf kejxum<sup>o</sup>2" ugfnq+.440X042240"[65] T{d<sup>o</sup>fqw m{"RT."737:.72"o"\*tc-gnkp-k-v +.430XK04223."U.Y."L0Lgflgm" ("R0Xqpk mc"ni v0= 390/4;0X04225."O V0[66] Ummgpc keg<sup>o</sup>qdge"X{uqm<sup>o</sup>pcf"lk|gtqw+.747:.772/782"o<"[66a]rtcogpk-v ".rqvmc.";0KZ04226." U.Y."L0Rtqkungt" ("L0Lgflgm"ni v0=[66b]qucfc"C o gtkmc<sup>o</sup>\*ngupf"rqvm+.;"0KZ04226."U.Y."L0Rtqkungt"ni v0"[67] Uic fm<sup>o</sup>F{t c<sup>o</sup> qdge"Vcpxcnf+.7479."822"o<"[67a]ngupf"rqv gm."3:0XK04224-[67b]rqv gm."oqm kp{"o g|k'e jcnwrc ok."3:0XK042240" [68] U o tm<sup>o</sup>\*o cux<sup>o</sup> jqt{+.7379;[68a]Xgmm<sup>o</sup>T{d<sup>o</sup>fqw<sup>o</sup>cf\*o quv+.:"22"o"\*umt<sup>o</sup> r p<sup>o</sup>\*umcpf"uv pc.tq|uv kmw|e<sup>o</sup>ug"xqfc." ngu."420XK04224."420XK04228-[68b]Nkdxgtf um<sup>o</sup> o quv."922"o."d gj"v\tecp<sup>o</sup>2 j<sup>o</sup>q<sup>o</sup>rqvmc<sup>o</sup>\*ngupf"rtcogpk-v +.420XK042280" [69] U o tflqxm c."7479."7:2"o<"[69a]r<sup>o</sup> f<sup>o</sup>qm"Mcogpk eg."rqf"flng|pk p<sup>o</sup> o"xkcfwmg o."3;0XK04224-[69b]U o tflqxm "rqvm<sup>o</sup>\*u o t<sup>o</sup> Jqtp<sup>o</sup>Nw cp{+.3;0XK042240"[70] Uq<sup>o</sup>-\*qdge" Fgup<sup>o</sup>x"lk|gtum ej"jqt<sup>o</sup>ej+.7479."972"o."x vqm|"xqfp<sup>o</sup> p<sup>o</sup> fflg+.440X042240"[71] Ux v<sup>o</sup>\*qdge"Vcpxcnf+.747:.922"o<"[71a]r<sup>o</sup>gp|kq<sup>o</sup>p<sup>o</sup> jw tmc<sup>o</sup>\*ngupf"vwtwflm{"c" oqm cf{+. 3:0XK04224-[71b]o cn "xqfp<sup>o</sup>|tg|gtxq<sup>o</sup>t<sup>o</sup>u o t<sup>o</sup> R<sup>o</sup> f<sup>o</sup>ejqk eg<sup>o</sup>\* oqm kp{."nqwm{."vwtwflm{"w ukpkeg."3:0XK042240"[72] <sup>o</sup>q/ e x<sup>o</sup>t{dpfm<sup>o</sup>\*lkfip "qf"qdeg"Teurgpcxc+.7378."572"o."J qawd<sup>o</sup>rqvm<sup>o</sup>\* oqm cf{"x<sup>o</sup>qn-kp +."3;0XK04223."U.Y."L0Lgflgm" ("R0Xqpk mc"ni v0=340XK04223."U.Y."R0Xqpk mc"ni v0=520X0/390X04224."4:0XK0/320XK04224."320XK0/30XK04224."x-g" O V0"[73] V<sup>o</sup>ej<sup>o</sup> a<sup>o</sup> f<sup>o</sup>mc"RR."7472"o"\*xnjm<sup>o</sup>"nqwm{."tc-gnkp-k-v +.450X04224-520XK042280/360XK04226."O V0"[74] Tor/ hq ykum<sup>o</sup>O<sup>o</sup>l<sup>o</sup> umkg<sup>o</sup>d x0<sup>o</sup>Y kgnmc"K|gtc.RN+.737:.72"o."Lc i p k g e {"r<sup>o</sup>qvm<sup>o</sup>\*tc-gnkp<sup>o</sup>u v pc<sup>o</sup>x -m{"5"o vltflgp<sup>o</sup>\*f<sup>o</sup>q<sup>o</sup>rqv/ mc+.90KZ042260"[75] U Kyselky<sup>o</sup>\*lkfip "qf"qdeg" Pqx<sup>o</sup>2"O uvq"rqf"U o tmg o+.7479."822"o."Af qm<sup>o</sup>|v\tecp<sup>o</sup>2 j<sup>o</sup>q<sup>o</sup>rqvmc<sup>o</sup> \* oqm cf."rtcogpk-v ".ngu."d gj"rqvmc+.420XK04224."420XK04228-350XK0/50XK04228."O V0"[76] X<sup>o</sup>encx<sup>o</sup>mqxc<sup>o</sup>Uw/ danka<sup>o</sup>qdge" Mq gpqx+.747:.72"o"\* oqm cf."xnjm<sup>o</sup>"nqwmc+.3;0XK042280"[77] X vtq<sup>o</sup>\*qdge" Ht fncp<sup>o</sup> v tncp<sup>o</sup>+.7378."5:2"o." r<sup>o</sup>qvm<sup>o</sup>Qng-mc<sup>o</sup>pxxc."oqm cf{+.420XK042230"[78] Xtevkunxieg<sup>o</sup>pcf<sup>o</sup>P<sup>o</sup>huq<sup>o</sup>\*qdge"Nkdgtge+.7478."592"o."420KZ04228." U.Y."L0Rtqkungt"ni v0"[79] Zlatá Olešnice."747:."[79a] <sup>o</sup>uv" P<sup>o</sup>xctqxm<sup>o</sup>."822"o"\*<sup>o</sup>uv p<sup>o</sup>"rtcogpk-v +."390XK04224." 50XK04226-[79b]rtcxqvtcp<sup>o</sup> r<sup>o</sup> f<sup>o</sup>qm"Ftc<sup>o</sup> j<sup>o</sup>q<sup>o</sup>rqvmc<sup>o</sup>c<sup>o</sup>oqm cf"v w t x c { p c .752"o.";0KZ04226."U.Y."L0Lgflgm" ("L0Rtqku/ ngt"ni v0=440XK04227."U.Y."R0Ejxqlmci<sup>o</sup>v0=[79c]Ftc<sup>o</sup> f<sup>o</sup>rqvm<sup>o</sup> r g f<sup>o</sup>Au<sup>o</sup>o f<sup>o</sup>q<sup>o</sup>"ncv<sup>o</sup>fmw."682"o"\* oqm kp{+.50XK04226." ;0KZ04226-[79d]rtcxqvtcp<sup>o</sup> r<sup>o</sup> f<sup>o</sup>qm"Ftc<sup>o</sup> j<sup>o</sup>q<sup>o</sup>rqvmc<sup>o</sup>c<sup>o</sup>oqm kp{"<sup>o</sup> rcfp "qf"quc f{"C o g tkmc."782"o.";0KZ042260

## X UNGFM[ "C" FKUMWUG

### R g j n g f | l k - v p e j f t w j

Rqwlk<sup>o</sup>2" |mtcvm{<"B!"<sup>o</sup> p q x "ftwj"rtq<sup>o</sup> ge j{0" U<sup>o</sup>6"mcv g i q t k g |" g t x g p<sup>o</sup>2 j<sup>o</sup>q<sup>o</sup>ug|pc o w<sup>o</sup> q j t q f l g p e j f t w j "d g | q d t c v n e j " T<sup>o</sup>\*Lgflgm"4227+<"CR"<sup>o</sup>6"m k v k e m { "q j t q f l g p ."EN"<sup>o</sup>6"q j t q f l g p ." XW"<sup>o</sup>6"t c p k v g n p "f t w j 0"

### Sycorax silacea Ewtku."3:5;

Nqm<sup>o</sup>np "jqlp" gxtqrum "ftwj"rtcogpk- ."tq|<sup>o</sup>-f<sup>o</sup>gp "x|"a rcfp<sup>o</sup>|Gxtqr "x gvp "Dtkvum ej"quv/ tqx ".uv<sup>o</sup>vgej<sup>o</sup>"uv gf p<sup>o</sup>|Gxtqr {"pc"ugxgtw"xg"Umcpfkp<sup>o</sup>xk."lkfip "pc"Cr gpkpum<sup>o</sup>2 o "c"Denm<sup>o</sup>pum<sup>o</sup>2 o " r q n q u v t q x " \* L g f l g m " 3 ; ; 8 c + 0 " E j { d f | p c " R { t g p g l u m 2 o " r n q n q u v t q x " c " x g ' x e j q f p | G x t q r 0

gum<sup>o</sup> w o d w t m [9]<390XK04224" c 520X04227."4" 0Horní Pertoltice [22a]<30XK04227."3" 0Karlovy [31]<470X04222." 3" 0M<sup>o</sup> flqx "xtej"RT [34]<530X04226."3" 0Ocn<sup>o</sup>"Uvtcpc"RT [41]<390/450X04224."3" 0Qnf<sup>o</sup> kej q x u m 2 u g f n q [52]< 390X0/50XK0<sup>o</sup>c/50/3;0XK04225."4" 0Pustiny [58]<450X04222."3" 0Rejdice [63c]<520X04227."3" 0

*Sycorax tonnoiri* Lwpi."3;76" U<"CR  
Gxtqrum "ftwj"|p<sup>a</sup>o "|P o gemc." gum<sup>2</sup>tgrwdnkm{"Unqxpumc."Dwnj ctumc."Unqxpumc" c"Dqup{"  
\*Lgflgm"4226d+0"Nctx{"ug"x{xflglf|r gfgx-f|o"x"ngupf"ej"rtc o gpk-v|e j 0  
gum "mw o dwtm [9]<390XK04224."3" 0"Qnf ke j q xum"ugfnq [52]<50/3;0XK04225."3" 0"Plavy [55]<450XK04228."3" 0

*Oomormia andrenipes* \*Uvtqdn."3;32+" U<"CR  
Rq o tp "x"|<sup>a</sup>ep "ftwj"tgi k uvtq xcp "xg"Xgnm<sup>2</sup>"Dtkv<sup>a</sup>pkk." gum<sup>2</sup>tgrwdnkeg."Unqxpumw."Tcmqwumw."  
Unqxpumw" c"Dqup " \*Lgflgm"3; :6c+0"  
Rejdice [63a]<520X0/380XK04227."3" 0

*Promormia eatoni* \*Vqppqkt."3;62+" U<"EN  
Pgjqlp "gxtqrum "ftwj"tgi k uvtq xcp "x"Dgnikk."P o gemw."F<sup>a</sup>pumw." gum<sup>2</sup>tgrwdnkeg."Unqxpumw."  
Tcmqwumw."Dqup "c" gemw"\*Lgflgm"4228d+0"X{um{vwlg"ug"qf"pflfkp"rq"j qtum<sup>2</sup>"nqmcnk v {0"  
Minkovice [44]<440XK04228."3" 0"Raspenava [61f]<420XK04223."3" 0

*Jungiella* \*u<sup>0</sup>uvt<sup>0</sup>+"hygrophila Lgflgm."3; :9  
 \ cv|o "n|g"ftwj"|qqi gqitcLem{"mncukLmqxcv"upcf"rqw|g"lcmq"uv gfgqxtqrum ."lg"tgi k uvtq x<sup>a</sup>p"  
pc"pgrq gvp ej"nqmcnk v<sup>a</sup>ej" gej" c"Oqtcx{."o pqj f{"x"r f|vq o pqvk"Jungiella soleata \*Ycmngt."  
3:78+"c"J. valachica \*Xckmcpv."3;85+0 P {p|l|k-v p"l"x"Rqnumw"\*Lgflgm"3; :9."4229+0  
M flq x "xtej"RT [34]<530X04226."3" 0"Ogcpft{"U o f<sup>2</sup>"RT [43b]<530X04227."3" 0"Raspenava [61d]<30XK04226."  
3" 0

*Jungiella* \*u<sup>0</sup>uvt<sup>0</sup>+"soleata \*Ycmngt."3:78+  
Jqlp "ftwj"tq|-f|gp "v<sup>2</sup>o "rq"egn<sup>2</sup>"Gxtqr "x gvp "Dtkvum ej"quvtqx ."cng"ej {d|pc"R{tgppl/  
um<sup>2</sup>o "rqnqquvtqx "c" xg"Umcpfkp<sup>a</sup>xkk0"D{n"tgi k uvtq x<sup>a</sup>p"vc m<sup>2</sup>"x"ugxgtp|o "t<sup>a</sup>pw"\*Lgflgm"4226d+0"  
X{um{vwlg"ug"qf"pflfkp"rq"x{uqmj qtum<sup>2</sup>"dkqvqr {0"  
Bílý Potok [5a]<530X04226."3" 0" Bulovka [7a]<30XK04227."3" 0" M flq x "xtej"RT [34]<530X04226."3" 0"Raspenava  
[61d]<30XK04226."3" 0

*Jungiella* \*u<sup>0</sup>uvt<sup>0</sup>+"valachica \*Xckmcpv."3;85+  
Nqm<sup>a</sup>np "jqlp "ftwj"|p<sup>a</sup>o "|Rqnumc." gum<sup>2</sup>tgrwdnkm{"Tcmqwumc."Tm<sup>x</sup> ectumc" c"Dcm<sup>a</sup>pum ej"  
uv<sup>a</sup>v " \*Lgflgm"4226d." Ykvjgtu"4227+0"X{um{vwlg"ug"x"pflfkp<sup>a</sup>ej" c"rc j q tmcvkp<sup>a</sup>ej 0"  
M flq x "xtej"RT [34]<530X04226."3" 0

*Panimerus denticulatus* Mtgm."3;93  
D flp "gxtqrum "ftwj"x{um{vwl|e|ug"pc" Dtkvum ej"quvtqxgej."x" gum<sup>2</sup>tgrwdnkeg."Rqnumw."  
Tcmqwumw" c"Dcm<sup>a</sup>pum ej"uv<sup>a</sup>vgej" \*Lgflgm"4226d+0" Pcf o q um<sup>a</sup>x -mc"pgp|tq|jqfwl|e|0"  
Mnišek [45b]<380XK04225."3" 0

*Parajungiella ellisi* \*Ykvjgtu."3; :9+" U<"CR  
X|<sup>a</sup>ep "gxtqrumq/|<sup>a</sup>rcfqukd k um "ftwj"\*Lgflgm"4225+|p<sup>a</sup>o "|Xgnm<sup>2</sup>"Dtkv<sup>a</sup>pkg." gum<sup>2</sup>tgrwdnkm{"  
c"Twumc"\*Ukd +0"  
Ogcpft{"U o f<sup>2</sup>"RT [43a]<530X04227."3" 0

*Parajungiella longicornis* \*Vqppqkt."3;3;+  
Xgn ok"jqlp "gxtqrumq/|<sup>a</sup>rcfqukd k um "ftwj"tq|-f|gp "xg"uv<sup>a</sup>vgej"rqf<sup>2</sup>n"Ugxgtp|jq"o q g"  
c"pc"Dtkvum ej"quvtqxgej."xg"uv gfp|c"x ejqfp|Gxtqr "cfl"rq"Pqxqukdktumqw"qdnucv"x"Twumw0"



Pgluxgtp 1-¶|ngmknv{"ngfl¶"xg"Umcpfkip<sup>a</sup>xkk" c"pgllkfp 1-¶|pc"Dcnm<sup>a</sup>pum<sup>2</sup> o" rqnqquvtqx " \*Lgflgm" 3; : 7c."3; ; 4+0

**Bulovka [7b]**<30XK04227."3" 0<sup>0</sup>**Frydlant [16a,b]**<3; 0/420XK04223."4" 0<sup>0</sup>**Horní Pertoltice [22b]**<30XK04227."3" 0<sup>0</sup>**M flq**x "xtej"RT [34]<530X04226."3" 0<sup>0</sup>**Ogcpft**{U o f<sup>2</sup>RT [43a,b]<530X04227."4" 0

*Parajungiella prikryli* Lgflgm."3; ; ;" U<"XW

X|<sup>a</sup>ep "ftwj"uv gfp¶|Gxtqr{.fquwf"pgud¶|tcp "okoq" gumqw"tgrwdnkmw."x{um{vwl¶|e¶|ug"qf"p¶|fkip" rq"rcjqtmcvkp{0" J qnqv{rwu" c" rctcv{r {"luqw" |g"Uqmqqxumc" \*Lgflgm"3; ; ; e+." rwdnkmqx<sup>a</sup> p" d{n" tqxp fl"|Rqf{1¶| \*Lgflgm"gv"cn0"4227+0

**Ogcpft**{U o f<sup>2</sup>RT [43a,b]<50X0/c:440XK0/70XK04227."6" 0

*Parajungiella pseudolongicornis* \*Ycipgt."3; 97+" U<"CR

X|<sup>a</sup>ep "ftwj."|c|pcogpcc "rqw|g"pc"Dtkvm ej"quvtqxgej."xg"uv gfp¶|Gxtqr "c"pc"Dcnm<sup>a</sup>pum<sup>2</sup> o" rqnqquvtqx " \*Lgflgm"4225+0

**Dolní Pertoltice [11]**<30XK04227."3" 0<sup>0</sup>**Ogcpft**{U o f<sup>2</sup>RT [43a]<530X04227."3" 0

*Parajungiella serbica* \*MtgM."3; : 7+" U<"CR

X|<sup>a</sup>ep "|glo"uwdogfkvgt<sup>a</sup>pp¶|ftwj|p<sup>a</sup>o "rqw|g|"g"Utdumc." gemc." gum<sup>2</sup>tgrwdnkm{."Unqxp/umc"Rqnumc" \*Lgflgm"4225-"Lgflgm" ("I qwvpgt"3; ; 5+0" \ctgi kuvtx<sup>a</sup> p" k"pc"gzvt<sup>2</sup> o p¶|ej"ngmknv<sup>a</sup> ej" x u{rgm"rqxtej qx ej"fq n" x"Uqmqqxum<sup>2</sup> r<sup>a</sup>pxk" \*Lgflgm"3; ; ; e+0

**Bulovka [7b]**<30XK04227."3" 0<sup>0</sup>**Frydlant [16b]**<3; 0XK04223."3" 0<sup>0</sup>**Horní Pertoltice [22b]**<30XK04227."3" 0<sup>0</sup>**Meandry U o f<sup>2</sup>RT [43a,b]**<530X04227."4" 0<sup>0</sup>**Zlatá Olešnice [79c]**<50XK04226."3" 0

*Paramormia \*Duckhousiella+ustulata* \*Ycnmgt."3; 78+

Fqd g|p<sup>a</sup>o "ftwj"v<sup>2</sup>o "|egn<sup>2</sup>"Gxtqr{="x{um{vwl¶|g"vcm<sup>2</sup>pc"Mc p<sup>a</sup>tum ej" c"C|qtum ej"quvtq/xgej."x" Cnfl¶|tumw."Octqmw."K|tcgnk."Vwtgemw."~t<sup>a</sup>pw."Chij<sup>a</sup>pkuv<sup>a</sup>pw" c"WUC" \*Lgflgm" ("Dtcxgtocp" 4228-"Ycipgt" ("Pkgukqéqy umk"3; ; 8+0" Nctx{ "ug"x{x¶|gl¶| cuvq"x"uwdvut<sup>a</sup>vgej"xgnok"gzvt<sup>2</sup> o p¶|jq" ejgokem<sup>2</sup>jq"unqflgp¶|okpgt<sup>a</sup>np¶|rtcogp{."uqkxct{."rtqumc{"x u{rgm"rqxtej qx ej"wjgnp ej" fq n" .ft dgfl¶|htoc {"crqf0

**Frydlant [16a]**<420XK04223."3" 0

*Paramormia \*u0"uvt0+"polyascoidea* \*MtgM."3; 93+

Pgr ¶|nk-"x|<sup>a</sup>ep "gxtqrumq|<sup>a</sup>rcfqkdk um "ftwj|p<sup>a</sup>o "|P ogemc." gum<sup>2</sup>tgrwdnkm{."Rqn/umc."Tcmqwumc."Dqup{"c"|Pqxqukdktum<sup>2</sup> qdncuvk"x"Twumw."|cucjw¶|e¶|ux o"ctg<sup>a</sup>ng o"x um{vw" fq"Cdej<sup>a</sup> |kg" \*Lgflgm"3; ; 2d+0

**Bílý Potok [5b]**<40XK04227."3" 0<sup>0</sup>**Frydlant [16b]**<3; 0XK04223."3" 0<sup>0</sup>**Ogcpft**{U o f<sup>2</sup>RT [43b]<530X04227."3" 0

*Peripsychoda auriculata* \*Ewtvku."3; 5; +

Xgnok"jqlp "gxtqrumq/vtcpumcxmc|um "ftwj."lgjqfl"ctg<sup>a</sup>n"tq|\_¶|gp¶| |cd¶|t<sup>a</sup>x v-kpw" Gxtqr {"c"|cucjwlg"fq"Cdej<sup>a</sup> |kg" c" I tw|kg" \*Lgflgm"4226d+0" Pgd{n|lk-v p"pc"R{tgpplum<sup>2</sup> o" rqnqquvtqx ." x ejqfp "qf"Rqnumc" c"x"lkflp¶|ej" <sup>a</sup>uvgej"Dcnm<sup>a</sup>pum<sup>2</sup> jq" rqnqquvtqx0

**Bulovka [7a,b]**<30XK04227."4" 0<sup>0</sup>**Dolní Pertoltice [11]**<30XK04227."3" 0<sup>0</sup>**Hqlvgem "o qm cf"RR [14]**<3; 0XK04225."4" 0<sup>0</sup>**Frydlant [16b]**<3; 0/420XK04223."4" 0<sup>0</sup>**Hejnice [18a]**<40XK04228."3" 0<sup>0</sup>**Horní Pertoltice [22b]**<30XK04227."3" 0<sup>0</sup>**Mt<sup>a</sup>up<sup>a</sup>"Uvuf<sup>a</sup>pmc [33]**<3; 0XK04225."3" 0<sup>0</sup>**M flq**x "xtej"RT [34]<530X04226."3" 0<sup>0</sup>**N<sup>a</sup> |p "Nkdxgtfc [36b]**<420XK04224" c"3; 0XK04225."4" 0<sup>0</sup>**Ogcpft**{U o f<sup>2</sup>RT [43b]<530X0/c:440XK0/70XK04227."4" 0<sup>0</sup>**Minkovice [44]**<440XK04228."3" 0<sup>0</sup>**Peklo [54a]**<3; 0XK04225."5" 0<sup>0</sup>**Raspenava [61b]**<440XK04228."3" 0<sup>0</sup>**X vtqx"j99**;<420XK04223."3" 0<sup>0</sup>**Zlatá Olešnice [79b]**<440XK04227."3" 0

*Psycmera integella* \*Lwpi."3;78+ U<CR  
Gxtqrumq/|<sup>a</sup>rcfqukd um "ftwj"tgikvqtqxc "x" P o gemw." gum<sup>2</sup>tgrwdnkeg."Rqnumw."Dqup " c"Jgtegiqxkp "c"x"Pqxqukdktum<sup>2</sup>qdcncuvk"x"Twumw\*<sup>a</sup>Lgflgm"3; ;4."4229+0"X{um{vwlg"ug"qf"p<sup>a</sup>flkp" rq"rcjqtmcvkv{0"

**Frýdlant [16b]**<3;0XK04223."3" 0"**Horní Pertoltice [22b]**<30XK04227."3" 0"**Mt<sup>a</sup>up<sup>a</sup>Uv<sup>a</sup>vf<sup>a</sup>pmc [33]**<3;0XK04225."3" 0"**Ogcpft{Uo f<sup>2</sup>RT [43a,b]**<530X0<sup>a</sup>c"3;0XKKK0/60KZ04227."5" 0"**Minkovice [44]**<440XK04228."3" 0

*Telmatoscopus carthusianus* \*Xckncpv."3;94+  
Nqm<sup>a</sup>np "jqlp "gxtqrum "ftwj"x{um{vwl<sup>a</sup>fe"ug"qf"p<sup>a</sup>flkp"rq"jqt{."|ctgikvqtqxc "fqrquw<sup>a</sup>xg<sup>a</sup>Htcp/ekk."P o gemw." gum<sup>2</sup>tgrwdnkeg."Rqnumw" c"Unqxpumw\*<sup>a</sup>Lgflgm"4225."4229+0

**Horní Polubný [23b]**<3;0XK04228."3" 0"**flqx "xtej"RT [34]**<530X04226."3" 0"**Raspenava [61a]**<530X04226."3" 0"**Rejdice [63a]**<50XK04226."5" 0

*Telmatoscopus gressicus* \*Xckncpv."3;94+  
Nqm<sup>a</sup>np "jqlp "gxtqrum "ftwj"x{um{vwl<sup>a</sup>fe"ug"qf"p<sup>a</sup>flkp"rq"jqt{."jn<sup>a</sup>-gp " |"Htcpekg." gum<sup>2</sup>tgrwdnkm{."Rqnumc" c" Tcmqwumc\*<sup>a</sup>Lgflgm"4226d+0"

**Bílý Potok [5a,b]**<40XK04227."4" 0" gum<sup>2</sup>w o dwtm [9]<520X04227."3" 0"**Hqlvgem "o qm cf"RR [14]**<3;0XK04225."3" 0"**Jtcpk p<sup>a</sup> [25]**<450X04224."3" 0"**M flqx "xtej"RT [34]**<530X04226."3" 0"**Ogcpft{Uo f<sup>2</sup>RT [43b]**<530X04227."3" 0"**Rejdice [63a,c]**<520XK04226."520X0<sup>a</sup>c"520X0/380XK04227."5" 0"**Uncf<sup>a</sup>F<sup>a</sup>tc [67b]**<3;0XK04224."3" 0"**Zlatá Olešnice [79c]**<50XK04226."3" 0

*Telmatoscopus labeculosus* \*Gcvqp."3; ;5+ U<EN  
Nkvt<sup>a</sup>tp<sup>a</sup>Áfclg<D<sup>a</sup>fn "Rqvqm."Hqlvgem "o qm cf"RR"l<sup>a</sup>kpf kejqxum "o qm cf"RR"N<sup>a</sup>|p "Nkdxgtfc."Nw cp{ "pcf" Pkuqw." Op<sup>a</sup>-gm."Qnf kejqx"x"J<sup>a</sup>I<sup>a</sup>ej."Rgm<sup>a</sup>\*<sup>a</sup>Lgflgm"4228f+0  
Ftwj|p<sup>a</sup> o "rqw|g"|"Htcpekg."Dgnikg."F<sup>a</sup>pumc." gum<sup>2</sup>tgrwdnkm{ "c"Dtkvum ej"quvtqx 0"

**Bílý Potok [5a,b,c]**<530X04226" c"40/50XK04227."5" 0"**Dolní Pertoltice [11]**<30XK04227."3" 0"**Hejnice [18a]**<40XK04228."3" 0"**Kunratice [35]**<440XK04228."3" 0"**Ogcpft{Uo f<sup>2</sup>RT [43a,b]**<530X04227."4" 0"**Raspenava [61b]**<440XK04228."3" 0

*Feuerborniella obscura* \*Vqppqkt."3;3;+  
D flp "gxtqrum "ftwj."lgjqflctg<sup>a</sup>n"tq|-<sup>a</sup>fl gp<sup>a</sup>l<sup>a</sup>r<sup>a</sup>mt x<sup>a</sup>uv<sup>a</sup>v{"r k"Ugxgtp<sup>a</sup>o"oq k"x gvp "Dtkvum ej" quvtqx ."uv gfp<sup>a</sup>Gxtqrw."Crgpkpum "c"Dcn<sup>a</sup>pum "rqnquvtqx\*<sup>a</sup>Lgflgm"3; ;4:-<sup>a</sup>Lgflgm" ("Iqwpgt" 3; ;7+0"Nctx{"ug"x{x<sup>a</sup>flgl<sup>a</sup>x"rte o gpk-v<sup>a</sup>ej"pc"mc o gpej" rmt{v ej"x<sup>a</sup>jm o" ogejg o"  
**Ogcpft{Uo f<sup>2</sup>RT [43b]**<440XK0/70XK04227."3" 0"**Minkovice [44]**<440XK04228."3" 0"**Peklo [54a]**<3;0XK04225."3" 0"**Raspenava [61b]**<440XK04228."3" 0

*Philosepedon balkanicum* Mtgm."3;93" U<CR  
Gxtqrum "ftwj|p<sup>a</sup> o "rqw|g"|"Dqup{c"Jgtegiqxkp{." gum<sup>2</sup>tgrwdnkm{."Unqxpumc" c"P o gemc="gzkuvwl<sup>a</sup>tqxp fl"rwdnkmqxc<sup>2</sup>Áfclg"|"Cdej<sup>a</sup>|kg\*<sup>a</sup>Lgflgm"4226d+0  
**T{d<sup>a</sup>nqw m{RT [65]**<390/4;0X04225."3" 0"**U Kyselky [75]**<350XKK0/50XKK04228."3" 0

*Philosepedon hrudkai* Lgflgm."3; ;;" U<XW  
Gxtqrum "ftwj|p<sup>a</sup> o "rqw|g"|"p mqnkmc" o<sup>a</sup>nq"nqmcnk<sup>a</sup>x" gum<sup>2</sup>tgrwdnkeg\*<sup>a</sup>Lgflgm"4225+  
c"|"P o gemc\*<sup>a</sup>Lgflgm" ("Uejcej<sup>a</sup>"4228+0  
**Ogcpft{Uo f<sup>2</sup>RT [43a]**<0KZ04226."3" 0

*Philosepedon humerale* \*Ogkigp."3:3: +  
Xgn o k"jqlp "gxtqrum "ftwj"u"x um{vg o"vcm<sup>2</sup>x"ugxgtp<sup>a</sup>Chtkeg."jn<sup>a</sup>-gp "v<sup>2</sup> o " |"egn<sup>2</sup>Gxtqr<sup>a</sup>" \*<sup>a</sup>Lgflgm"3; ;4."3; ;7d+0"X{um{vwlg"ug"qf"p<sup>a</sup>flkp"rq"jqt{."k o c i c"luqw<sup>a</sup>d flp "qfej{v<sup>a</sup>x<sup>a</sup>pc<sup>a</sup>ux vgnp o k" nrc k0"Nctx{"ug"x{x<sup>a</sup>flgl<sup>a</sup>x"v ngej" rnl 0"  
**Raspenava [61d]**<3;0XK04225."3" 0

*Threticus lucifugus* \*Ycmmgt."3:78+

Jqlp "gxtqrum "ftwj"x{um{vwl|e|ug"xg"uv"vgej"r k"Ugxtgp|o"o q k."pc"Dtkvum ej"quvtqxgej."  
xg"uv gfp|"Gxtqr "c"pc"Crqpkpum2"o"rqqqquvtqx "Lgflgm"3; :7d+0" P|f|g|w|xgfgp2"Vqthqykumq"  
Oé{ umkg|lg" vxtvqw"rwdnkmqxcpqw"nqmcnkqvq"vqjqvq"ftwjw"|"Rqnumc|

**Albrechtice v Jizerských horách** [1]<450X04222."3" 0" **Dgf** kej qx [3]<440X04224."3" 0" **Bukovec PR** [6a,c]<380/4;0X04225"3;0/420XK04229."4" 0" **Dolní Polubný** [12]<450X04222."3" 0" **J tcd** vkeg [24a,c]<450X04224."4" 0" **J tepk p** [25]<450X04224."3" 0" **Lkpf** kej qxum "o qm cf"RR [28]<390XK04225."3" 0" **Karlovy** [31]<450X04224."3" 0" **M flq** "xtej"RT [34]<530X04226."3" 0" **N** |p "Nkdxgt f c [36b]<30XK04226."3" 0" **Ocn** "Uvtcpe"RT [41]<470X04222" c"450X04224."4" 0" **Novina** [49a]<460X04222."3" 0" **P** qx{"Fqom f [50]<460X04222."3" 0" **Plavy** [55]<450XK04228." 3" 0" **Pustiny** [58]<450X04222."3" 0" **Te-gnkp**-v "Lk|gt{"PRT [62a]<390X0/60XK04224."3" 0" **Rejdice** [63a]<50XK0" c";0 KZ04226."380XKKK0/30KZ0" c"30/440KZ04227."8" 0" **Umngpe** keg [66a]< ;0KZ04226."3" 0" **Vqthqykumq**" Oé{ umkg [74]< 90KZ04226."3" 0" **Zlatá Olešnice** [79b,c,d]< ;0KZ04226."6" 0

*Threticus silvaticus* Lgflgm."3; :7"

U<XW

Uv gfgqxtqrum "ftwj"u"qlgflk p n "o"x um{vg o."|p<sup>a</sup> o "fquwf"rqw|g|" gum2"tgrwdnkm{"c"Unq/  
xkpumc"\*Lgflgm"3; :8d."3; ;8c+0

**Dolní Polubný** [12]<450X04222."3" 0" **M flq** "xtej"RT [34]<530X04226."3" 0" **Rejdice** [63a]<50XK0" c";0KZ04226." 30/440KZ04227."5" 0" **qne** x"t{dp|fm [72]<520X0/390X04224."3" 0" **Zlatá Olešnice** [79b,d]< ;0KZ04226."4" 0

*Trichopsychoda hirtella* \*Vqppqkt."3;3;+

Jqlp "gxtqrum "ftwj"fqw|f"tgikvqtqxc p "xg"uv"vgej"r k"Ugxtgp|o"o q k"x gvp "Dtkvum ej"  
quvtqx ."xg"uv gfp|"Gxtqr ."pc"Crqpkpum2"o"Denm<sup>a</sup> pum2"o"rqqqquvtqx "Lgflgm"3; :4."3; :7d+0"  
Nctx{"ug"x{x|lg|l"x"|gvngn ej"tquvnp<sup>a</sup>ej"cxg"ujpkn ej"rnqfgej|0

gum "mw o dwtm [9]<390XK04224."3" 0" **Frýdlant** [16a]<420XK04223."3" 0" **Horní Pertoltice** [22a]<30XK04227."3" 0" **Horní Polubný** [23b]<3;0XK04228."3" 0" **Jablonec nad Nisou** [26]<390XK04225."3" 0" **Lkpf** kej qxum "o qm cf"RR [28]<390XK04225."3" 0" **Nw** cp{"pcf"Pluqw [39b]<390XK04225."3" 0" **Nwfxmqx** r qf"U o tmg o [40a]<420XK04228." 3" 0" **Mníšek** [45b]<380XK04225."3" 0" **Pqx**"Xfume [47]<3;0XK04224."3" 0" **Qnf** kej qx"x"J<sup>a</sup>|f|ej [51a]<3;0XK04223." 3" 0" **Plavy** [55]<450XK04228."3" 0" **Raspenava** [61d,e]<420XK04223" c"3;0XK04225."3" .3" 0" **Te-gnkp**-v "Lk|gt{"PRT [62a]<70/390XK04224."3" 0" **Rejdice** [63a,b]<390XK04224."520X0/380XK0."380XKKK0/30KZ0" c"30/440KZ04227."6" 0" **Unc** fm<sup>a</sup> **Díra** [67a,b]<3;0XK04224."4" 0" **U o tflqxm** c [69b]<3;0XK04224."3" 0" **qne** x"t{dp|fm [72]<320XK0/30XKKK04224."3" 0" **Xtčvkunxkeg**"pcf"Pluqw [78]<420KZ04228."3" 0" **Zlatá Olešnice** [79c]< ;0KZ04226."3" 0

*Chodopsycha lobata* \*Vqppqkt."3;62+

Gxtqrumq/vtcpumcxmc|um "ftwj"\*Lgflgm"4226d+."lgjqfl"nctx{"ug"x{x|lg|l"x"j qwd<sup>a</sup>ej" \*TMgx |m"  
4228+0

**Lgf** qx "f n"RT [27]<380XK0/80XK04227."3" 0" **Nidgtge**/Xgure [38]<90XKKK04226."3" 0" **Nová louka PR** [46a]<4;0XK0/320 XKK04224."3" 0" **Plavy** [55]<450XK04228."3" 0" **Te-gnkp**-v "Lk|gt{"PRT [62a]<70/390XK04224."3" 0" **qne** x"t{dp|fm [72]<4;0XK0/320XK0" c"320XKK0/30XKKK04224."4" 0" **Vkej** "m" | mc"RR [73]<520XK0/360XKKK04226."3" 0" **Xtčvkunxkeg**" nad Nisou [78]<420KZ04228."3" 0" **Zlatá Olešnice** [79c]< ;0KZ04226."3" 0

*Logima albipennis* \* \ gvwgtvufv."3:72+

Mqu o qrqnkvp|"ftwj"\*Lgflgm" ("Dtcxgt o cp"4228+."gwt{dkqp v0"K o a i c"luqw"x"pqek"r kvj qx<sup>a</sup>pc"o l0"  
o qft o "ux vng o 0"Nctx{"luqw"ucrtqh<sup>a</sup> i p|0

**Ocn** "Uvtcpe"RT [41]<320/480XK04225."3" 0" **Mariánskohorské boudy** [42]<3;0/420XK04223."3" 0" **Nová louka PR** [46a]<520KX0/390X0."70/390XK0" c"4;0XK0/320XK04224."5" 0" **Peklo** [54b]<3;0XK04225."3" 0" **Plavy** [55]<450XK04228." 3" 0" **Te-gnkp**-v "Lk|gt{"PRT [62]<390X0/60XK0."70/390XK0" c"390/4;0XK04224."5" 0" **Rejdice** [63]< ;0KZ04226."3" 0" **T** {df|nqw m{"RT [65]<390/4;0X04225."3" 0" **qne** x"t{dp|fm [72]<520KX0/390X0."4;0XK0/320XK0" c"320XKK0/30XKKK04224." 5" 0" **Vkej** "m" | mc"RR [73]<520XK0/360XKKK04226."3" 0" **Zlatá Olešnice** [79c]< ;0KZ04226."3" 0



*Logima erminea* \*Gcvqp."3: ;5+

Jqlp "rcngctmvkem "ftwj\*"Lgflgm"3: ;5c+."x{um{vwl|e|ug" cuvq"xg"x|qte|ej|"|Ocnckugjq"rcuw|  
x"t|p|ej"pcf oq um ej"x -m<sup>a</sup>ej"0Wx<sup>a</sup>f p|lg"tqxp fl|"|Igm{p|.cng"dkqpq okg"lg"qdgep "xgn ok"  
o<sup>a</sup>nq|p<sup>a</sup> o<sup>a</sup>

Dgf kejqx"xqfp|p<sup>a</sup>ftfl [4b]<7"Zl3: ;7."3" 0"Ogcpft{U o f<sup>2</sup>RT [43a]<:0KZl4226."3" 0"Peklo [54]<3: 0XK04225."  
3" 0"Rejdice [63a]<:0KZ04226."3" 0"<sup>TM</sup>que x"t{dpfm [72]<520KX0/390X0."4: 0XK0/320XKK0c"320XKK0/30XKK04224."3" ."  
4" 0"Zlatá Olešnice [79b,c]<:0KZ04226."4" 0

*Logima satchelli* \*Swcvg."3;77+

Jqlp "jqnctmvkem "ftwj\*"Lgflgm" (" [c ek'4227="Swcvg"3;77+."gwt{dkpvi"0Rtcxkfgnp "qfej {v<sup>a</sup>xcp " "  
xg"x-gej"xjqfp ej"pcf oq um ej"x -m<sup>a</sup>ej"\*Ocnckugjq."tvc p|.gogtigppv|.ux vgnp<sup>2</sup>"rcuw|  
x gpv "oqft<sup>2</sup>jq"ux vnc"cflnwv<sup>2</sup>"okum{+0

Dgf kejqx"xqfp|p<sup>a</sup>ftfl [4b]<7"Zl3: ;7."3" 0" gum "<sup>TM</sup>w o dwtm [9]<390XK04224."3" 0"Fojtka [15b]<380XK04225."  
3" 0"Frýdlant [16a]<420XK04223."3" 0"Lfngx "f n"RT [27]<3: 0/520X04227."3" 0"Nwfxmqx"rqf"U o tmg o [40b]<  
420XK04224."3" 0"Marjánskohorské boudy [42]<3: 0/420XK04223."3" 0"Nová louka PR [46a]<520KX0/390X0c"4: 0XK0/320  
XKK04224."4" 0"Poledník [56]<520XK0/360XKK04226."3" 0"Poustecká obora [57]<440XK04228."3" 0"Raspnava  
[61d]<30XK04226."3" 0"Te-gnplk-v "Lk|gt{PRT [62a]<390X0/60XK0."70/390XK0c"390/4: 0XK04224."5" 0"Rejdice [63a]<  
0KZ04226."520X0/380XK0c"380XKK0/30KZ04227."5" 0"t{d|<sup>TM</sup>hw m{RT [65]<390/4: 0X04225."3" 0"Umgpc keg [66a]<  
0KZ04226."3" 0"Uc fm<sup>a</sup>F|tc [67]<3: 0XK04224."3" .3" 0"U o tflqmc [69a]<3: 0XK04224."3" 0"<sup>TM</sup>que x"t{dpfm [72]<  
520KX0/390X0c"4: 0XK0/320XKK04224."4" 0"U Kyselky [75]<350XK0/50XKK04228."3" 0"Xtcvkncxieg"pcf"Pluqw [78]<  
420KZ04228."3" 0"Zlatá Olešnice [79b,c]<:0KZ04226."4" 0

*Logima zetterstedti* Lgflgm."3: ;5

Nqm<sup>a</sup>np "jqlp "gxtqrumq|<sup>a</sup>rcfqukd um "ftwj\*"Lgflgm" (" [c ek'4227+0"Nctx {"luqw"ucr tqdkppv|0)

Horní Polubný [23b]<3: 0XK04228."3" 0"Nwfxmqx"rqf"U o tmg o [40b]<420XK04224."3" 0"Nová louka PR [46a]<  
520KX0/390X0."70/390XK0c"4: 0XK0/320XKK04224."5" 0"Paseky nad Jizerou [53]<:0KZ04226."3" 0"Peklo [54a]<  
3: 0XK04225."3" 0"Plavy [55]<450XK04228."3" 0"Poledník [56]<520XK0/360XKK04226."3" 0"Raspnava [61a,d]<  
420XK04223c"30XK04226."4" 0"Te-gnplk-v "Lk|gt{PRT [62a]<70/390XK04224."3" 0"t{d|<sup>TM</sup>hw m{RT [65]<390/4: 0  
X04225."3" 0"Umgpc keg [66a]<:0KZ04226."3" 0"<sup>TM</sup>que x"t{dpfm [72]<520KX0/390X0c"4: 0XK0/320XKK04224."4" 0"  
Xtcvkncxieg"pcf"Pluqw [78]<420KZ04228."3" 0

*Psycha griseocens* \*Vppqkt."3;44+

Xgn ok"jqlp "gxtqrum "ftwj."lgjqfl"ctg<sup>a</sup>n"tq|-|gp|rqmt x<sup>a</sup>r<sup>a</sup>u"x ejqfp "qf"Dtkvum ej"quvtqx "  
cfl"rq"Nkvxw"cu v gfp|"Cpcvqkk."pc"ugxgtw"lg"nk okvq<sup>a</sup>p"dqte<sup>a</sup>np|o "gmqtg i kpgg o"\*Umcpfkp<sup>a</sup>xk<sup>a</sup>+  
c"pc"lkjw"ugxgtp|"Chtkmqw\*"Lgflgm" (" [c ek'4227+0"Nctx {"luqw"ucr tqdkppv|0)

Jizerka [30]<350XK04223."3" 0"Nwfxmqx"rqf"U o tmg o [40b]<420XK04224."3" 0"Nová louka PR [46a,b]<520KX0/390  
X0."440X0."70/390XK0c"4: 0XK0/320XKK04224."3" .5" 0"Poledník [56]<40/470XK04226."3" 0"Raspnava [61a]<530X04226."  
3" 0"Te-gnplk-v "Lk|gt{PRT [62a]<390X0/60XK0."70/390XK0c"390/4: 0XK04224."3" .4" 0"Rejdice [63a]<520X0/380  
XK04227."3" 0"t{d|<sup>TM</sup>hw m{RT [65]<390/4: 0X04225."3" 0"<sup>TM</sup>que x"t{dpfm [72]<520KX0/390X0c"4: 0XK0/320XKK04224."  
3" .4" 0"Viej<sup>a</sup> m{c"RR [73]<520XK0/360XKK04226."3" 0"Zlatá Olešnice [79c]<:0KZ04226."3" 0

*Psychoda alticola* Xckmcpv."3;95

Rqw|g"nkvtg<sup>a</sup>tp|<sup>a</sup>fcl<Te-gnplk-v "Lk|gt{PRT\*"Lgflgm"4228f+0

X|<sup>a</sup>ep "gxtqrum "ftwj|p<sup>a</sup> o "rqw|g|"Tcnqwumc."Htcepkc" gum<sup>2</sup>"tgrwdnkm{"\*Lk|gtum<sup>2</sup>"jqt{" "  
c"PRT"Mtcnkem "Up flp|m"o" oqtexum<sup>a</sup> a<sup>a</sup>uv+0"Qdgp "qejtcp<sup>a</sup> um{"|cl|ocx "Xckmcpv"3;95+."  
x um{v"lg"pwwp"ungfqxcv|0

*Psychoda phalaenoides* \*Nkppcgwu."397: +

Xgn ok"jqlp "jqnctmvkem "rqn{xnkvpp|"ftwj."k o<sup>a</sup> i c"luqw"xg"xgnm<sup>2</sup> o"rq vw"w|cx|t<sup>a</sup>pc"x"mx v/  
p|ej"vqwe|ej"tquvnp|"Arum maculatum c|"r uqdw|l|lg|q|r {nqx<sup>a</sup>p|"\*Lgflgm"3: ;2c+0"Nctx {"luqw"  
ucr tqdkppv|0

**Bílý Potok [5a]**<530X04226."3" 0° **Bukovec PR [6a,b]**<70/380X0°c°70/420X0KKK04225."4" 0° **Ferdinandov [13]**<420X04224."3" 0° **Frýdlant [16b]**<3;0XK04223."3" 0° **Harta [17]**<340X04228."3" 0° **Hejnice [18b]**<440X04227."3" 0° **Horní Pertoltice [22a,b]**<30X04227."4" 0° **Horní Polubný [23b]**<3;0XK04228."3" 0° **Kunratice [35]**<440X04228."3" 0° **N° |p "Nkdxgtfc [36a]**<420X04224."3" 0° **Nwfxmqx"rqf"U o tmg o [40b]**<420X04224."3" 0° **O cn°"Uvtcpe"RT [41]**<390/450X04224°c°320/480X04225."4" 0° **Ogcpft{"U o f°2"RT [43b,d]}**<:0KZ04226°c°440X0/70XKK04227."4" 0° **Nová louka PR [46a]**<520X0/390X0°c°70/390X04224."3" .".3" 0° **Pqx°"Xfmc [47]**<3;0XK04224."3" 0° **Pqx°"O uvq"rqf"U o tmg o [48]**<420X04224."3" 0° **Qnf kejqx"x"J°"Mej [51a]**<3;0XK04223."3" 0° **Paseky nad Jizerou [53]**<:0KZ04226."3" 0° **Peklo [54a]**<3;0XK04225."3" 0° **Plavy [55]**<450X04228."3" 0° **Poledník [56]**<40/470X04226."3" 0° **Raspenava [61a,b,d,e]**<420X04223."3;0XK04225."530X0°c°30X04226."440X04228."6" .".4" 0° **Tc-gnkp-k-v "Lk|gt{"NPR [62a]**<430X04223°c°390/4;0XK04224."4" 0° **Rejdice [63a]**<:0KZ04226."380X0KKK0/30KZ0°c°30/440KZ04227."4" .".3" 0° **T{"d°"hqw m{"RT [65]**<390/4;0X04225."3" 0° **Umngpc keg [66]**<:0KZ04226."3" 0° **Uncfm°"F{tc [67b]**<3;0XK04224."3" 0° **U o tflqxm c [69b]**<3;0XK04224."3" 0° **Umqe x°t{"dpfm [72]**<520X0/390X0."4;0XK0/320XKK0°c°320XKK0/30XKKK04224."3" .".4" 0° **Vkej°" f mc"RR [73]**<520XKK0/360XKKK04226."3" 0° **U Kyselky [75]**<420X04228."3" =°X°"excfxmqxc"Uvwf°"pmc [76]<3;0XK04228."3" 0° **Zlatá Olešnice [79b,c,d]**<:0KZ04226°c°440X04227."3" .".6" 0

*Psychoda uniformata* J cug o cp."3;29

Nqm°np "jqlp "jqnctmvkem "ftwj."|c|pc o gpcp "x" gum°"tgrwdnkeg."Tcmqwumw."Kv°nkk."Unqkxpumw." gemw."Vwtgemw."K|tcgnk."Oqpiqumw."t°"pw°c"WUC°"Lgflgm" ("Dtcxgt o cp°4228+0°Ucrtqh°"ip°" nctx{"ug"x{x°|gl|"o I0°vc m°"x°e j n°xgej."o c-vcn°"ejj."ru°"ej"dqwf°"ej"cqrf0  
**Frýdlant [16a]**<420X04223."3" 0° **Poledník [56]**<520XKK0/360XKKK04226."3" 0° **Umqe x°t{"dpfm [72]**<520X0/390X04224."3" 0

*Psychodocha cinerea* \*Dcpmu."3; ;6+

Xgn o k° jqlp "mqu o qrqnkv p°"ftwj."x|um{x°vwl°"e°"ug"x°-ktqm°"-m°ng°"pcf o qum ej"x -gm°"Årnp°" |qqigqitc°"em°"fcvc°"xk|"Lgflgm" (" [c ek°\*4227+0°Ucrtqh°"ip°"nctx{"o qj qw°"d "vurqmw°"u°"k o°"i {" |lk-v p{"k°"pc°"pgwftflqxc p°"ej"Y E0  
**gtpqwu{"X°Rqnk [8a]**<:0KZ04226."3" 0° **Ogcpft{"U o f°2"RT [43a,d]}**<:0KZ04226°c°530X04227."4" .".4" 0° **Rejdice [63a]**<380X0KKK0/30KZ04227."3" 0° **Umqe x°t{"dpfm [72]**<520X0/390X0."4;0XK0/320XKK0°c°320XKK0/30XKKK04224."5" 0

*Psychodocha gemina* \*Gcvqp."3;26+

Jqlp "gxtqrum "ftwj"x|um{x°vwl°"e°"ug"qf°"p°flkp"rq°"jqt {"°Lgflgm"3; ;2c+0°X xqlucrtqh°"ip°"ej°"nctgx" o flg°"rtqd°"jcv°"k"x°"jp°"l fgej°"rv°"m 0  
**Dgf kej qx [3]**<440X04224."3" 0° **Bílý Potok [5a]**<40X04227."3" 0° **Bukovec PR [6a]**<380/4;0X04225."3" 0° **Horní Maxov [21b]**<470X04222."3" 0° **J t c p k p° [25]**<450X04224."3" 0° **Jablonec nad Nisou [26]**<390X04225."3" 0° **Karlovy [31]**<450X04224."3" 0° **Mt°"up°"Uvwf°"pmc [33]**<3;0XK04225."3" 0° **O cn°"Uvtcpe"RT [41]**<390/450X04224."3" 0° **Meandry U o f°2"RT [43b]**<440X0/70XKK04227."3" 0° **Mníšek [45b]**<380X04225."3" 0° **Nová louka PR [46a,b]**<520X0/390X0."440X0."70/390X0°c°4;0XK0/320XKK04224."6" 0° **Pqx°"Xfmc [47]**<3;0XK04224."3" 0° **Novina [49b]**<460X04222."3" 0° **Peklo [54b]**<3;0XK04225."3" 0° **Plavy [55]**<450X04228."3" 0° **Raspenava [61d,f]**<420X04223°c°30X04226."3" .".3" 0° **Tc-gnkp-k-v "Lk|gt {"PRT [62a]**<390X0/60XK0."70/390X0°c°390/4;0XK04224."5" 0° **Rejdice [63a,b]**<390X04224."3;0KZ04226."520X0/380X0."380X0KKK0/30KZ0°c°30/440KZ04227."7" 0° **Rudolfovy [64a]**<440X04224."3" 0° **Umngpc keg [66b]**<:0KZ04226."3" 0° **U o tflqxm c [69a]**<3;0XK04224."3" 0° **Ux vn° [71b]**<3;0XK04224."3" 0° **Umqe x°t{"dpfm [72]**<520X0/390X0."4;0XK0/320XKK0°c°320XKK0/30XKKK04224."5" 0° **Vkej°" f mc"RR [73]**<520XKK0/360XKKK04226."3" 0° **X°t°"vlnucxkeg"pc f°" Nisou [78]**<420KZ04228."3" 0° **Zlatá Olešnice [79b,c]**<:0KZ04226°c°440X04227."3" .".3" 0

*Psychodocha itoco* \*Vqmwpcic" ("Mq o {q."3;77+

Ftwj°"rtexf°"rqfqdp "u" o pqjg o°"-kt-°"o°"tq|-°"gp°"o°"pgfl°"lg°"fquwf°" |p°"a o q°"wf°"x°"a°"p°" rqw |g°" |"Lcrrqumc." gum°"tgrwdnkm {"c°"Hkpcumc°"Ucn o gnc°422;+0°"Qe j t c p°"a um {" |cl°"o c x "ftwj."x um {"v°" lg°"pwwpq°"ungf qxcv0  
**Nová louka PR [46a]**<520X0/390X0."70/390X0°c°4;0XK0/320XKK04224."5" 0° **Plavy [55]**<450X04228."3" 0° **Tc-gnkp-k-v " Jizery NPR [62a]**<70/390X04224."3" 0° **T{"d°"hqw m {"RT [65]**<390/4;0X04225."3" 0° **Umqe x°t {"dpfm [72]**<520X0/390X0."4;0XK0/320XKK0°c°320XKK0/30XKKK04224."5" 0

*Psychodula minuta* \*Dcpmu."3: ;6+

Xgnok'jqlp "jqnctmvkem "ftwj|ctgiukvtqxc "x"opqjc"uv<sup>a</sup>vgej\*Lgflgm"3; ;2c=Lgflgm" ("Dtcxgt/ocp"4228+. "x {um {vw|e"ug"x"pflkpa"ej."rcjqtmcvkpa"ej"l"jqt<sup>a</sup>ej"Ucrtqdkqppv"nctx {"ug"oqjqw" x {xflgv"l"lgum {pfej"x"pgvqr }o"iwa"pw0

Lgflnqx "f"nRT [27]<380XKO/80XKK04227."3" 0"Ogcpft {"Uo f<sup>2</sup>RT [43a]<0KZ04226."3" 0"Nová louka PR [46a]<520XKO/390X04224."3" 0"Poledník [56]<520XKK0/360XKKK04226."3" 0"Te-gnkp-v "Lk|gt {"PRT [62a]<390XKO/60XKO4224."3" 0"Rejdice [63a]<30/440KZ04227."3" 0"t {dflhqw m {"RT [65]<390/4; 0X04225."3" 0"mqe x't {dpm [72]<520XKO/390X0."4: 0XKO/320XKK0"320XKK0/30XKKK04224."3" .4" 0"Zlatá Olešnice [79c]<0KZ04226."3" 0

*Psychomora mycophila* \*Xcknncpv."3; : : + "eq o d0"p0

u {p0 Psychomora vanharai Lgflgm."3; ;7"\*xk | "Ykvjgtu"4227="Xcknncpv"3; : : +

X|<sup>a</sup>ep "gxtqrum "ftwj"u o {mg o"rqo tp "qdvflp |lkuvkgnp + |ctgiukvtqxc "rqw|g"Xg"Htcpekk." gum<sup>2</sup> "tgrwdnkeg."Unqxpumw."Unqxpumw" c<sup>TM</sup> x ectumw."u" x um {vg o"qf"pflkpa"rq"jqt {"Nctx {"ug"x {xfl|gl|"x"rnqfpefej"x {--fej"jwd0"Pqx<sup>2</sup>"tqfqx<sup>2</sup>" |c c |gp|"vczqpw"mqtgurqpfwlg"u"mfm" g o"pc"tqf {"ux"vc" vtkdw"Ru {ejqfkp\*Lgflgm" ("xcp"Jctvgp"4227+"c"fqrn mg o"fcn-flj"q"pqx<sup>2</sup>jq"tqfw\*Lgflgm"4229+0  
TMqe x't {dpm [72]<520XKO/390X0"4: 0XKO/320XKK04224."4" 0

*Psychomora trinodulosa* \*Vqppqkt."3; 44+

Xgnok'jqlp "jqnctmvkem "ftwj."|p<sup>a</sup> o " | "pgl |p l-fej"pcfoq um ej" x -gm\*Lgflgm"3; ;2c+0" Ko<sup>a</sup> ic"ug"x {um {vw|e" cuvq"Xg"ux vgnp ej"ncrc fej"0"ftwj"lg"r gpc-g g o"nctx<sup>a</sup>npfej"uv<sup>a</sup>fk"j<sup>a</sup> cv" tqfw"Rhabditis Fw10"\*Cpiwknwnwfcg+"c"tq|vq | " gngfk" I c o cukfcgl

Bílý Potok [5b]<440X04225."3" 0"Frýdlant [16b]<3; 0XKO4223."3" 0"Jtepk p<sup>a</sup> [25]<450X04224."3" 0"Lgflnqx "f" n PR [27]<380XKO/80XKK04227."3" 0"nidgtge/Xguge [38]<380XKK04226."3" 0"Ocn"Uvtcpc"RT [41]<390/450X04224."3" 0" Nová louka PR [46a]<520XKO/390X0."70/390XKO"4: 0XKO/320XKK04224."4" .3" 0"Poledník [56]<520XKK0/360XKKK04226."3" 0"Te-gnkp-v "Lk|gt {"PRT [62a]<390XKO/60XKO."70/390XKO"4: 0XKO4224."5" 0"mqe x't {dpm [72]<520XKO/390X0" c"320XKK0/30XKKK04224."4" 0"Zlatá Olešnice [79b,c]<0KZ04226."4" 0

*Tinearia alternata* \*Uc {"3: 46+

Xgnok'jqlp "mqu oqrqkvp"ftwj\*Lgflgm" ("xcp"Jctvgp"422; +0"Nctx {"ug"x {xfl|gl|"pgl"p|x" |cjp|xcl|/e"fej"qti"cpkem ej"lwdv<sup>a</sup>vgej"X"gzmtg o gpvgej."cng"qd xcl|"k" o c f kmqnp"jcdkvc {"0"R k'r g o p q flgp" o qjqw"dnqmqxcv"l"hwpmek" |cuvctn ej"umt<sup>a</sup> r p ej"dknqikem ej"Zlv<sup>t</sup> " kuvftgp"qfrcfpfej"xqf" ug"-v tmqxqw"p<sup>a</sup> rnp"flgflgm"3; 94+0

Ferdinandov [13]<3; 0XKKK04226."3" 0"Poledník [56]<520XKK0/360XKKK04226."3" 0"U Kyselky [75]<350XKK0/50XKKK04228."3" 0"Xt"evluncxleg"pc" f"Pluqw [78]<420KZ04228."3" 0"Zlatá Olešnice [79c]<0KZ04226."3" 0

*Ypsidocha setigera* \*Vqppqkt."3; 44+

Xgnok'jqlp "jqnctmvkem "ftwj"\*Lgflgm"3; : 7f."4225+0"Ucrtqdkqppv"nctx {"ug"x {xfl|gl|"o l0"l"Xg" jpqk"l"o q xeg." cuvq"Xg" |pc p ej"pcfoq um ej" x -m<sup>a</sup>ej"\*rcuvxkp {"uxcjqx<sup>a</sup>"rtc o gpk-v ." nexkpx<sup>2</sup>"mct { +0

Arnoltice [2]<330XKKK04225."3" 0"Nová louka PR [46a]<520XKO/390X0"4: 0XKO/320XKK04224."4" 0"Te-gnkp-v " Jizery NPR [62a]<390XKO/60XKO"4: 0XKO4224."3" .3" 0"mqe x't {dpm [72]<520XKO/390X04224."3" 0"Zlatá Olešnice [79b,c]<0KZ04226."3" 0

*Berdeniella chvojikai* Lgflgm."3; ; ; "

U<"XW

X|<sup>a</sup>ep "rcvtp "uv gfgxxtqrum "ftwj."qfej {v<sup>a</sup>xcp "fqrquw"r"qw|g"r"qf<sup>2</sup>n"d {uv kp"pc"Umqnqumw" c"x"l"uggp"m<sup>a</sup>ej"\*Lgflgm"4225+0

Harta [17]<340X04228."3" 0"Horní Maxov [21b]<470X04222."3" 0"Horní Polubný [23b]<520X04227."3" 0"Mq gpqx [32]<3; 0XKO4228."3" 0"Ocn"Uvtcpc"RT [41]<40XKO4226."3" 0"Plavy [55]<450XKO4228."3" 0"Raspenava [61a,d]<530X0"4: 0XKO4226."4" 0"Uqw- [70]<460X04222."3" 0"Zlatá Olešnice [79c]<50XKO4226."3" 0

*Berdeniella kocii* Lgflgm."4228"

**B!**

Ftwj'd{n'rqrup'pc'|^amncf "rq gvp2jqv{r qx2jq"o cvgtk^nw\*82"gz0+|"o pqjc'hqmcnk|'Lgugp'f|m " \*Lgflgm"4228c+0'P'flg'wxgfgp "gzg o rn^a " |Lk|gtum ej"jqt'lgt'grtg|gpvcpg o"pqx2jq"ftwjw"rtq" hcwpw" gej0'Vczqp'lg'qejtcp^a um{"|cl'ocx .x um{v'lg'pwv'pq'ungf'qxcv0

**Rejdice [63a]**<380XKKK0/30KZ04227."3" 0

*Berdeniella manicata* \*Vqppqkt."3;42+

O'uv{"jqlp "gxtqrum "ftwj'u"x um{vg o'qf^m'rcp numc."r gu'Dgnikk."P o'gemq." gumqw'tgrwdnkmw." Unq'xgpumq."Kv^ank'c'Dcnn^apum2'uv^v{"\*Lgflgm"3; ;8c+0'p^a o " |p'f|m ej"rqnj \*pcr 0'r'q'v'qm{"x'q'mq'f" Rtcj{+."cng"k"x v-^ej"pcf o'q um ej"x -gm^d{uv kp{"rtc o'gp'fe'pc"jqtum ej"uxc|'e'j"Lgugp'f|m +0

**Nkdgtge/Xguge [38]**<90XKKK04226."3" 0

*Berdeniella matthesi* \*Lwpi."3;76+

Ftwj'lg" |p^a o" r'q'w|g" |Tcmq'wumc." P o'gemc."Kv^ankg." gum2'tgrwdnk{"c"Unq'xgpumc"\*Lgflgm" 4228d+."x{um{"vwlg"ug'nqm^np "c"pgr 'nk-"jqlp "qf"rcjqtmcvkp"fq"x{uqm ej"jqtum ej"rqnj0" fiklg"k"pc"x'njm ej"x u{rmqx ej"nqmcnk^e'j"rqxtejqx ej"wjgnp ej"fq" \*Uqmq'q'xum^a"r^apgx+" u"x{ut^a'flgp o'flgng|g o0

gum ^mw o' dwtm [9]<520X04227."3" 0'**Horní Polubný [23b]**<520X04227."3" 0'**P qx{"Fq o m [50]**<460X04222."3" 0'**Rejdice [63a]**<50XK04226'c'520X04227."4" 0

*Berdeniella pyrenaica* Xckncpv."3;98"

**B!**

X|^ep "gxtqrum "ftwj."fqrquw'f'tg'ikv'qt'x'cp "r'q'w|g"|"Htcpekg.^m'rcp numc" c" gum2'tgrwdnk{"." q'f'w'f'lg" |p^a o" r'q'w|g" |O'qt'cx{" |"r'q'j'q 'f'Lgugp'f|m{"\*Lgflgm"4228c+0'P'flg'wxgfgp "gzg o rn^a " |Lk|gtum ej"jqt'lgt'ftwj o"mwug o" | gum2'tgrwdnk{"c"tgrtg|gpvcpg o"pqx2jq"ftwjw"rtq" A|g o'f" gej0'Qejtcp^a um{"|cl'ocx "ftwj."x um{v'lg'pwv'pq'ungf'qxcv0

**Mq gpqx [32]**<3;0XK04228."3" 0

*Berdeniella stavniensis* \*Mtg."3;8;+

Nkvg't'ap'f'c'k'Uqw-^\*Lgflgm"4225+0  
Nqm^np "jqlp "gxtqrum "ftwj'|p^a o " |Htcpekg." P o'gemc." gum2'tgrwdnk{"."Unq'xgpumc."Tcmq'wumc" c'Dcnn^apum ej"uv^v \*Lgflgm"4228d+0'X{um{"vwlg"ug" |g| o'2'pc"x"j'ndq' m ej"ngup'ej"tqmn'ej."pc"uxc/ j'qx ej"rtc o'gp'k-v'ej"c"rt uce'ej"x u{rgm"rqxtejqx ej"wjgnp ej"fq" \*pcr 0'Uqmq'q'xumq+0

**Bílý Potok [5b]**<440X04225."3" 0'**Ocn^a"Uvtcpe"RT [41]**<450X04224."3" 0'**Zlatá Olešnice [79c]**<50XK04226."3" 0

*Berdeniella unispinosa* \*Vqppqkt."3;3;+

Gxtqrum "ftwj"u"x um{vg o'xg'uv g'f'p'f o" r^a u o'w'Gxtqr{"qf" Htcpekg"rq"Rqumq" c"Unq'xgpumq." pc'lk'j'w" |cuc'j'wlg'fq"Kv^ank'c'Dcnn^apum ej"uv^v 0'X"pc-ke'j"jtc'pk p'ej"rqj'q'ej"rq o' tp "jqlp " \*Lgflgm"4228c+0

**Bílý Potok [5a,b]**<40XK04227."4" 0'**Mq gpqx [32]**<3;0XK04228."3" 0'**Ocn^a"Uvtcpe"RT [41]**<450X04224."3" 0'**Nová X'umc [47]**<3;0XK04224."3" 0'**Plavy [55]**<450XK04228."3" 0'**Rejdice [63a]**<50XK04226."520X0."520X0/380XK0" c'380 XKKK0/30KZ04227."6" 0'**Uncf m^a" F'tc [67a,b]**<3;0XK04224."4" 0'**U o' flq'xmc [69a,b]**<3;0XK04224."4" 0'**Ux vn^a [71a]**<3;0XK04224."3" 0

*Berdeniella vimmeri* Lgflgm."3; ;9

Nqm^np "jqlp " |glo 'uv g'fg'x'g'tqrum "ftwj"\*q"x um{vw"x'egn2'Gxtqr "pgn|g|c'f' o"p'ke'uf' nk'v+0" R x'q'f'p "r'q'rucp " |q'm'q'f"Rtcj{"\*Lgflgm"3; ;9d+.p'p'f'tg'ikv'qt'x'cp " |o'pqjc'm'q'req'x'v ej'hqmcnk'v" gej'c'O'qt'cx{."rq gvp2'nqmcnk{"luqw"|p^a o'2" k" |j'tc'pk p'ej"rqj'q'f" gum2'tgrwdnk{"0

**Horní Polubný [23b]**<520X04227."3" 0

*Clytocerus \*Boreoclytocerus+longicorniculatus* Mtgm."3; :9

Ftwj|p<sup>a</sup> o "fqrquwf|rqw|g|"Dqup|c"Jgtegiqxp{"x'f |x l-|f'fqd "oqjn'd v'rtcx f rqqdp " |c o qx<sup>a</sup>p'u"ftwjg o "*Clytocerus ocellaris* \*Ogki gp."3:26+0"Rctcngnp "d{n"p{p|lgjq'x um{v' rwdnkmaq<sup>a</sup>p|"lklfpfej" gej"cRqnumc\*Lgflgm"4229=Lgflgm" ("J<sup>a</sup>Igm"4229+0"Qejtcp<sup>a</sup> um{"|cl|cox ." x|<sup>a</sup>ep "ftwj."x um{v|lg'pwwpq"ungfqcw)

**Horní Polubný [23b]**<3;0XK04228."3" 0" **Ogcpft**{U o f<sup>2</sup>RT [43a]<530X04227."4" 0" **Vkej**" | mc'RR [73]<520XKK0/360XKK04226."3" 0" **X<sup>a</sup>exc<sup>a</sup>mqxc**Uvwf<sup>a</sup>pmc [76]<3;0XK04228."3" 0

*Clytocerus \*Boreoclytocerus+ocellaris* \*Ogki gp."3:26+

Ftwj'u'x um{vg o'xg'uv gfp|c|"a rcfp|Gxtqr 'x gyp "Dtkvum ej"quvtqx ."ugxgtp|j tcpkeg'ctg<sup>a</sup>nw" rtqej<sup>a</sup> |Hk'pung o."pc'lkjw'kv<sup>a</sup>nk|c"Dcm<sup>a</sup>pum ok'uv<sup>a</sup>v{"pc'x ejqf "Nkvxqw\*Lgflgm" ("I qwpvgt" 3; ;7+0"Xgnok"jqlp "ftwj'd gj "xqfpej"vqm "c'p<sup>a</sup>ftfl|"rtcogpk- "c'xnjm ej"nwm0

**Arnoltice [2]**<330XKK04225."3" 0" **Dgf kej qx [3]**<440X04224."3" 0" **Bílý Potok [5a,b]**<440X04225."530X04226" c'40XK04227."6" 0" **Bukovec PR [6a,b,c]**<530X04225."430XK04228" c'3;0/420XK04229."6" 0" **Bulovka [7b]**<30XK04227."3" 0" **gtpqwu/XRqk [8a]**<0KZ04226."3" 0" **Dolní Pertoltice [11]**<30XK04227."3" 0" **J qtp| gtp<sup>a</sup>**Uvwf pkeg [19]<370XKK04223."3" 0" **J qtp|Nw cp| [20]**<390XK04225."3" 0" **Horní Maxov [21b,c]**<470X04222."4" 0" **Horní Pertoltice [22a,b]**<30XK04227."4" 0" **Horní Polubný [23a,b]**<460X04222."520X04227" c'3;0XK04228."6" 0" **J tcd vleg [24a,b,c]**<450X04224."5" 0" **J tcep p<sup>a</sup> [25]**<450X04224."3" 0" **Lgf nqx 'f nRT [27]**<3;0/520X04227."3" 0" **Karlov [31]**<470X04222" c'450X04224."4" 0" **Mq gpqx [32]**<3;0XK04228."3" 0" **Mt<sup>a</sup>up<sup>a</sup>**Uvwf<sup>a</sup>pmc [33]<80XKK04223" c'3;0XK04225."4" 0" **Nidgtge/Xgxe [38]**<90" c'380XKK04226."4" 0" **Ocn<sup>a</sup>**Uvtcpe RT [41]<470X04222."390/450X0" c'450X04224."40XK04226."8" 0" **Ogcpft**{U o f<sup>2</sup>RT [43a,b,c,d]<0KZ04226" c'530X04227."9" 0" **Mnišek [45b]**<380XK04225."3" 0" **Novina [49b]**<460X04222."3" 0" **P qx{|Fqom{ [50]**<460X04222."3" 0" **Qnf kej qxum<sup>a</sup>**ugf nq [52]<390X0/50XK04225."3" 0" **Raspenava [61b,c]**<520XKK04225" c'440XK04228."4" 0" **Rejdice [63a,c]**<50XK04226."520X0."520X0/380XK0."380XKK0/30KZ0" c'30/440KZ04227."7" 0" **Rudolfov [64b]**<440X04224."3" 0" **U o tm [68a]**<420XK04228."3" 0" **U o tflqxc [69a]**<3;0XK04224."3" 0" **TMqne x't{dp|m [72]**<520KX0/390X0" c'320XKK0/30XKK04224."3" 0" **Vkej**" | mc'RR [73]<450X04224" c'520XKK0/360XKK04226."4" 0" **Zlatá Olešnice [79c]**<50XK0" c";0KZ04226."4" 0

*Clytocerus \*Boreoclytocerus+rivosus* \*Vqppqkt."3;3;+" U<CR

Gxtqrum "ftwj"u'x um{vg o'xg'uv gfp|c|"a rcfp|Gxtqr 'x gyp "Dtkvum ej"quvtqx ."cng'vcm<sup>2</sup>" x"Nkvx "c'xg'<sup>TM</sup>x<sup>2</sup>fumw\*Lgflgm"4225+0"Pgjqlp "ftwj"u'qlgfkp n o'x um{vg o'x'nwflpfej"ngu'fej" c'pkx<sup>a</sup>ej"rqvqm "c' gm0

**Ogcpft**{U o f<sup>2</sup>RT [43b]<440XK0/70XK04227."3" 0

*Clytocerus \*Boreoclytocerus+splendidus* Lgflgm" ("J<sup>a</sup>Igm."4229

Ftwj|p<sup>a</sup> o "rqw|g|"qtkip<sup>a</sup>np|jq'rqrkuw|"o pjqc'nqmcnk'x" gum<sup>2</sup>tgrwdnkeg<sup>v</sup>{ rqx<sup>a</sup>'u<sup>2</sup>tkg" |v<sup>a</sup>" 47"gz0+<Qtnkem<sup>2</sup>c'fingng|p<sup>2</sup>j|qt{"Uqmgnqxumq." gum<sup>2</sup>Dwf lqxkeg."Lgugp|f|c" gumq/o qtcxum<sup>2</sup> o g|k|q |."Rqf|l|c"D<sup>n</sup>2"Mcrcv{0" \ |pc o {"ftwjw'gzkuw|l|pqx "k|"Rqnumc'o'nqmcnkv{"Rlnkej" c" \céw "Lgflgm"4229+0"Qejtcp<sup>a</sup> um{"|cl|cox "ftwj."x um{v|lg'pwwpq"ungfqcw)

**Ogcpft**{U o f<sup>2</sup>RT [43a]<530X04227."3" 0" **X<sup>a</sup>exc<sup>a</sup>mqxc**Uvwf<sup>a</sup>pmc [76]<3;0XK04228."3" 0

*Parabazarella subneglecta* \*Vqppqkt."3;44+

Pgjqlp "gwtqcuklum "ftwj"u'x um{vg o'xg'uv gfp|c|"a r'auow"Gxtqr {"qf" Dgnikg"rq"Rqnumq." x ejqfp "cfl"rq"Nkvxw."pglugxgtp l-|nqmcnkv{"ngfl|'xg"Umcpfkp<sup>a</sup>kk'xg"Hkpumw\*Ucn o gnc"422: +." pglkflp l-|pc"Dcm<sup>a</sup>pum<sup>2</sup> o" rqnqqvvtqx "c'x"Cpcvqkkl)

**Harta [17]**<340X04228."3" 0

*Pericoma \*Pachypericoma+blandula* Gcvqp."3; :5

D flp ."fqd g|p<sup>a</sup> o "ftwj."mvt "ux o'tq|-|gp|o'pgp|qog|gp'rqw|g'pc'egnqw"Gxtqrw."cng" d{n|lk-v p'k'pc'Mcxmc|w."x'Vwpkumw" c" Octqmw\*Lgflgm"4226d+0" Pcf o q um<sup>a</sup>'x -mc'pgp|rtq' lgjq'x um{v|tq|jqfw|fe|0



**Bílý Potok [5a]**<530X04226."3" 0"**Horní Pertoltice [22a]**<30XK04227."3" 0" **O cn<sup>a</sup>Uvt cpc**RT [41]<470X04222" c"450 X04224."4" 0"**Minkovice [44]**<440XK04228."3" 0"**Poustecká obora [57]**<440XK04228."3" 0"**Raspenava [61d,e]**: 420XK04223" c"30XK04226."4" 0

*Pericoma* \**Pachypericoma*+*formosa* Pkgngup."3;86

Rqo tp "x" <sup>a</sup>ep "gxtqrum "ftwj."vczqqp okem{"pgfqeg qxcp ."w|p<sup>a</sup>xcp "lcmq"xcnkfp"} vgrt/xg"x"rqungfpp"fqd 0" \p<sup>a</sup> o "fqwf"|"Htcepek." gum<sup>2</sup>tgrwdnkm{"Unqxpumc."F<sup>a</sup>pumc."Pqtumc" c"Hkpumc"\*Lgflgm"4228d+0

**Ogcpft**{**Uo f<sup>2</sup>RT [43a]**<0KZ04226."3" 0

*Pericoma* \*u<sup>0</sup>uvt<sup>0</sup>+*pseudoexquisita*"Vqppqkt."3;62

Pgr nk-"jqlp "gxtqrum "ftwj"u"x um{vg o"x"|"rcfp"}c"uv gfp"}Gxtqr "x gvp "Dtkvum ej"quvtqx ." pc"lkjw"pc"Crpgkpum<sup>2</sup> o "c"Dcnm<sup>a</sup>pum<sup>2</sup> o "rqnqquvtqx " \*Lgflgm"4226d+0"

**Raspenava [61e]**<420XK04223."3" 0

*Pericoma* \*u<sup>0</sup>uvt<sup>0</sup>+*rivularis* Dgtf<sup>2</sup>p."3;76"

U<EN

Rngctmvkem "ftwj"x{um{vwl|e"}ug"qf"Dtkvum ej"quvtqx "r gu"ugxgtp"}qdnucvk"}Gxtqr {"cfl"rq"}F<sup>a</sup>np " x ejqf."lkfpp"}jtcpekg"ctg<sup>a</sup>nw"rtqej"|{"P o gemg o "c" gumqw"tgrwdnkmqw"} \ " gum<sup>2</sup>tgrwdnkm{"lg" |p<sup>a</sup> o "rqw|g" |g"Uqmqqxumc" c"figng|p ej"jqt"\*Lgflgm"4225+0"

**M flq x" xtej"RT [34]**<530X04226."3" 0"**Playv [55]**<450XK04228."3" 0"**Poustecká obora [57]**<440XK04228."3" 0

*Pneumia crispi* \*Htgg o cp."3;75+

U<EN

Rqw|g"nq<sup>a</sup>np "jqlp "gxtqrum "ftwj."tq|-{"gp "x"|"rcfp"}c"uv gfp"}Gxtqr " \*Htcepek."P o gemq." Dtkvum<sup>2</sup>"quvtqx{" gum<sup>a</sup>"tgrwdnkmc."Unqxpumq."Oc ctumq+"c"pc"lkjw"x"Dcnm<sup>a</sup>pum ej"uv<sup>a</sup>vgej" \*Lgflgm"4228d+0"

**Umgpc keg [66a]**<0KZ04226."3" 0

*Pneumia cubitospinosa* \*Lwpi."3;76+

U<EN

Pgjqlp "gxtqrum "ftwj."lgjqfl"ctg<sup>a</sup>n"x um{vw"lg"ugxgtp "nk o kvqx<sup>a</sup>p"urqlpke"}qf"Htcepek" cfl"rq"Nkv/ xw"\*pc"Dtkvum ej"quvtqxgej"ej {d|f."pc"lkjw"|cucjwlg"pc"Crpgkpum "c"Dcnm<sup>a</sup>pum "rqnqquvtqx" \*Lgflgm"4228d+0"} P{"flg"wxgfgp<sup>a</sup>"nqmcnkvc"lg" vxtvqw" |p<sup>a</sup> o qw"x" gum<sup>2</sup>tgrwdnkeg"\*r gfej<sup>a</sup>|g|e"} p<sup>a</sup>ng| {"luqw"fqmncfqx<sup>a</sup>p"}|"Dtqw o qxumc" c"D"}n ej"Mc

gum <sup>m</sup>w o dwtm [9]<520X04227."3" 0

*Pneumia mutua* \*Gcvqp."3; ;5+

Jqlp "gxtqrum "ftwj"u"x um{vg o "xg"uv<sup>a</sup>vgej"rqf<sup>2</sup>n"Ugxgtp"}j"q"oq g" c"pc"Dtkvum ej"quvtqxgej." pc"x ejqf " |cucjwlg"fq"Rqnumc" c"Nkvx{0"}Pglugxgtp l-{"nqmcnkvc{"ngfl"}xg"}Umcpfkp<sup>a</sup>xkk"\*Hkpumq+" c"pgllkflp l-{"pc"Crpgkpum<sup>2</sup> o "c"Dcnm<sup>a</sup>pum<sup>2</sup> o "rqnqquvtqx 0"}Rqf tqdp<sup>2</sup>"Áfclg"q"tq|-{"gp"}x"p mvq/ t ej"pc-kej"jtcpk p"}ej"jqt<sup>a</sup>ej"xk|"Lgflgm"\*4228c+"c"Lgflgm" (" J<sup>a</sup>Igm"\*4229+0

**Albrechtice v Jizerských horách [1]**<450X04222."3" 0"**Dgf kej qx [3]**<440X04224."3" 0"**Bílý Potok [5a,b]**<530X04226" c"40XK04227."6" 0"**Bukovec PR [6a,b,c]**<380/4; 0X04225."430XK04228" c"3; 0/420XK04229."5" 0" gum <sup>m</sup>w o dwtm [9]"<390XK04224" c"520X04227."4" 0"**Dolní Maxov [10a,b,c]**<470X04222" c"3; 0XK04224."5" 0"**Dolní Polubný [12]**<450X04222."3" 0"**Hqlvgem " o qm cf"RR [14]**<3; 0XK04223" c"3; 0XK04225."4" 0"**J qtp"} gtp<sup>a</sup>"Uvwfpeg [19]**<450XK04228."3" 0"**J qtp"}Nw cp{ [20]**<390XK04225."3" 0"**Horní Maxov [21a,b,c]**<470X04222" c"3; 0XK04224."5" 0"**Horní Pertoltice [22a]**<30XK04227."3" 0"**Horní Polubný [23b]**<520X04227" c"3; 0XK04228."6" 0"**J ted vkeg [24a,c]**<450X04224."4" 0"**J tepk p<sup>a</sup> [25]**<450X04224."3" 0"**Jablonec nad Nisou [26]**<390XK04225."3" 0"**Lgf<sup>a</sup>qx " f n"RT [27]**<380XK0/80XK04227."3" 0"**Lkpf kej qxum " o qm cf"RR [28]**<390XK04225."3" 0"**Lk gvfp"rqf" Dwmqxqw [29]**<390XK04225."3" 0"**Karlov [31]**<450X04224."3" 0"**Mq gpqx [32]**<3; 0XK04228."3" 0"**Mt<sup>a</sup>up<sup>a</sup>"Uwvf<sup>a</sup>pmc [33]**<3; 0XK04225."

3" 0"N<sup>a</sup> |p "Nidxgtfc [36b]<420XK04224."3" 0"Nw ep{"pcf"Pluqw [39a]<390XK04225."3" 0"Ocn<sup>a</sup>"Uvtcpc"RT [41]<470X04222."450X04224."320/480XK04225" c"40XK04226."8" 0"Maríanskohorské boudy [42]<3; 0" c"420XK04223."4" 0" Pqx<sup>a</sup>"Xfmc [47]<3; 0XK04224."3" 0" Pqx<sup>2</sup>"O uvq"rqf"U o tmg o [48]<420XK04224."3" 0"Novina [49a]<460X04222."3" 0" P qx{"Fq o m{" [50]<460X04222."3" 0" Qnf kej qx"x"J<sup>a</sup>"lfej [51a]<3; 0XK04223."3" 0" Qnf kej qxum<sup>2</sup>"ugfnq [52]<390X0/50XK04225."3" 0" Raspenava [61d]<30XK04226."3" 0" Tc-gnkp-k-v "Lk|gt{"PRT [62a,b]<430XK04223."390X0/60XK0."70/390XK0" c"390/4; 0XK04224."7" 0" Rejdice [63a,b]<390XK04224."50XK04226."520X0/380XK04227."8" 0" Rudolfov [64a]<440X04224."3" 0" T{"d{"hqw m{"RT [65]<430XK04223."3" 0" Uncfm<sup>a</sup>"Ff{c [67b]<3; 0XK04224."3" 0" U o tm [68a,b]<420XK04224" c"420XK04228."5" 0" U o tflqxm [69b]<3; 0XK04224."3" 0" Ux vn<sup>a</sup> [71a,b]<3; 0XK04224."3" 0" M<sup>2</sup>qne x't{dpfm [72]<3; 0XK04223."3" 0" Vkej<sup>a</sup>" f mc"RR [73]<450X04224."3" 0" U Kyselky [75]<420XK04224" c"420XK04228."4" 0" X<sup>a</sup> encxfmqxc"Uvwf<sup>a</sup>pmc [76]<3; 0XK04228."3" 0" Zlatá Olešnice [79a,b,c]<390XK04224."50XK04226" c"440XK04227."8" 0

*Pneumia nubila* \*Ogki gp."3: 3: +

Gxtqrum "ftwj."lfggp" |pgljqlp l-|fej" |<sup>a</sup>uvwre " gngfk"Ru{ejqf kfcg"x" gum<sup>2</sup>"tgrwdnkeg" |p<sup>a</sup> o " v<sup>2</sup> o " |"egn<sup>2</sup>"Gxtqr{"qf" rcp numc" c"Dtkvum ej"quvtqx "r gu"Umcpfkp<sup>a</sup>xkk" rq"Rqnumc" c"Nkvxw" l"lflp" |jtcpcg"ctg<sup>a</sup>nw" rtqej<sup>a</sup> |"Kv<sup>a</sup>nk". "Dcnm<sup>a</sup>pum o k"uv<sup>a</sup>v{"c"Mcxmc|g o"\*Cdej<sup>a</sup>|kg+= |lk-v p" d{n" k"pc"Mc<sup>a</sup>tum ej"quvtqxgej" c"Uctf kpkk\*"Lgflgm" ( " I qwvpgt"3; =7="Lgflgm" ( " J<sup>a</sup> lgm"4229+0"

Arnoltice [2]<330XK04225."3" 0" gtpqw{/X"Rqnk [8a]<0KZ04226."3" 0" Ferdinandov [13]<3; 0XK04226."3" 0" Hqlvge "o qm c f"RR [14]<3; 0XK04225."3" 0" Hejnice [18a]<40XK04228."3" 0" Jqtp" gtp<sup>a</sup>"Uvwfpeg [19]<450XK04228."3" 0" Horní Pertoltice [22a,b]<30XK04227."3" 0" M flqx "xtej"RT [34]<530X04226."3" 0"N<sup>a</sup> |p "Nidxgtfc [36b]<420XK04224" c"3; 0XK04225."4" 0" Nidgtge/Xguge [38]<90XK04226" c"380XK04226."4" 0" Ogcpft{"U o f<sup>2</sup>"RT [43a,c,d]<0KZ04226" c"530X04227."8" 0" Minkovice [44]<440XK04228."3" 0" Peklo [54a]<3; 0XK04225."4" 0" Raspenava [61d]<30XK04226."3" 0

*Pneumia pilularia* \*Vqppqkt."3: 62+

Nqm<sup>a</sup>np "jqlp" gxtqrum "ftwj." |p<sup>a</sup> o "v<sup>2</sup> o " |"egn<sup>2</sup>"Gxtqr{"x gvp "Dtkvum ej"quvtqx "c" rcp n/ umc"pc" |<sup>a</sup> rcf "c"Nkvx{"pc"x ejqf ."pglugxgtp l-|nqmcnk v{"ngfl" xg"Umcpfkp<sup>a</sup>xkk="gzkuvw|"Áfclg" vcm<sup>2</sup>" |"Cnfl"tunc." Octqmc" c"V<sup>a</sup> flkmlkuv<sup>a</sup>pw\*"Lgflgm"4226d="Ucn o gnc"422: +0

Harta [17]<340X04228."3" 0" Horní Polubný [23b]<520X04227."4" 0" Zlatá Olešnice [79b]<0KZ04226."4" 0

*Pneumia plumicornis* \*Vqppqkt."3: 44+

Rq o tp "xgnm "c"p<sup>a</sup> rcfp "gxtqrum "ftwj."x" gum<sup>2</sup>"tgrwdnkeg"x v-kpqw"u"rqf |k o p"o"x um{vg o" |p<sup>a</sup> o "rqw|g" |"P o gemc." gum<sup>2</sup>"tgrwdnkm{|. "Unqxpumc." Tcmqumc" c"Kv<sup>a</sup>nkge\*"Lgflgm"3; ; 8c+0"

Paseky nad Jizerou [53]<0KZ04226."3" 0" Rejdice [63a]<0KZ04226" c"30/440X04227."4" 0" Ummgpc keg [66a,b]<0KZ04226."4" 0

*Pneumia stammeri* \*Lwpi."3: 78+

U<"EN

Pgjqlp "gxtqrum "ftwj"tq|-|gp "x" gxtqrum ej"uv<sup>a</sup>vgej"rqf<sup>2</sup>n"Ugxgtp{|jq" o q" g" c"pc"Dtkvum ej" quvtqxgej."pglx ejqfp l-|"Áfclg"luqw"fqmncfqx<sup>a</sup>p{" |g"Unqxpumc" Pglugxgtp l-|"nqmcnk v{"ngfl" x" dqtg<sup>a</sup>np"o" gmqtg i kqpw\*"Umcpfkp<sup>a</sup>xkg+. "pgllkfp l-|"pc"Dcnm<sup>a</sup>p "\*"Lgflgm"4225+0"

gum<sup>2</sup>w o dwtm [9]<520X04227."3" 0" Rejdice [63a]<50XK04226" c"520X0/380XK04227."4" 0

*Pneumia trivialis* \*Gcvqp."3: ; 5+

Xgn o k" jqlp ."d flp "pcn<sup>2</sup> |cp "gxtqrum "ftwj"ug"-ktqmqw"gmqni i kemqw"xcngpe"0"Rqmt x<sup>a</sup>ctg<sup>a</sup>n"qf" R{|tgpplum<sup>2</sup>jq"rqnquvtqxc"r gu"Dtkvum<sup>2</sup>quvtqx{"c"Umcpfkp<sup>a</sup>xkk"fq"Rqnumc\*"pgp" |p<sup>a</sup> o " |"Á |g o" d xc/ n<sup>2</sup>jq"Uqx vum<sup>2</sup>jq"uxc|w+. "pc"lkjw" |cucjwlg"r gu"uv gfgxgxtqrum<sup>2</sup> |g o "pc"Dcnm<sup>a</sup>p"Rqftqdp "x um{v" x"p mvgt ej"pc-kej"jtcpk pfej"jqt<sup>a</sup>ej" rwdnkmqxcnk" Lgflgm\*"4228c-"c" Lgflgm" ( " J<sup>a</sup> lgm"4229+0"

Arnoltice [2]<330XK04225."3" 0" Dgf kej qx [3]<440X04224."3" 0" Dgf kej qx"xqfp"p<sup>a</sup> f tfl [4a]<440X04224."3" 0" Bílý Potok [5a,b,c]<40X04224."40" c"50XK04227."6" 0" Bukovec PR [6a,b,c]<530X04225."430XK04228" c"3; 0/420XK04229."3" 0

5" 0<sup>o</sup>Bulovka [7a,b]<30XK04227."4" 0<sup>o</sup> gtpqwu{/X<sup>o</sup>Rqnk [8a]<:0KZ04226."3" 0<sup>o</sup> gum<sup>™w</sup>o dwtm [9]<390XK04224" c'520X04227."4" 0<sup>o</sup>Dolní Maxov [10a,b]<3; 0XK04224."4" 0<sup>o</sup>Dolní Pertoltice [11]<30XK04227."3" 0<sup>o</sup>Ferdinandov [13]<420XK04224" c'3; 0XKKK04226."4" 0<sup>o</sup>Hqlvgem "o qm cf<sup>o</sup>RR [14]<3; 0XK04225."4" 0<sup>o</sup>Fojtka [15a]<380XK04225." 3" 0<sup>o</sup>Frýf lantum "o qm cf<sup>o</sup>RR [28]<390XK04225."5" 0<sup>o</sup>Harta [17]<340X04228."3" 0<sup>o</sup>Hejnice [18a]<40XK04228."3" 0<sup>o</sup>Horní gtp<sup>™</sup>Uv<sup>o</sup>wf<sup>o</sup>p<sup>o</sup>mc [19]<450XK04228."3" 0<sup>o</sup>J qtpf<sup>o</sup>Nw ep{ [20]<390XK04225."3" 0<sup>o</sup>Horní Maxov [21b,c]<470X04222." 4" 0<sup>o</sup>Horní Pertoltice [22a,b]<30XK04227."4" 0<sup>o</sup>Horní Polubný [23a,b]<460X04222."520X04227."c'3; 0XK04228." 7" 0<sup>o</sup>J tcd v<sup>o</sup>eg [24a,b,c]<450X04224."5" 0<sup>o</sup>J t<sup>o</sup>cpk p<sup>o</sup> [25]<450X04224."3" 0<sup>o</sup>Jablonec nad Nisou [26]<390XK04225." 3" 0<sup>o</sup>Lkp<sup>o</sup>f kej<sup>o</sup>qum "o qm cf<sup>o</sup>RR [28]<390XK04225."4" 0<sup>o</sup>Karlof [31]<450X04224."3" 0<sup>o</sup>Mq gpqx [32]<3; 0XK04228." 3" 0<sup>o</sup>Mt<sup>o</sup>up<sup>o</sup>"Uv<sup>o</sup>wf<sup>o</sup>p<sup>o</sup>mc [33]<3; 0XK04225."3" 0<sup>o</sup>M flq<sup>o</sup>x "xte,j<sup>o</sup>RR [34]<530X04226."3" 0<sup>o</sup>N<sup>o</sup>"p "Nkdxgt f c [36a,b]< 420XK04224."3; 0XK04225" c'30XK04226."5" 0<sup>o</sup>Nkdtge/Twr tge,jv<sup>o</sup>eg [37]<380XK04225."3" 0<sup>o</sup>Nkdtge/Xguge [38]< 520XKKK04223."90" c'380XKKK04226."5" 0<sup>o</sup>Nw<sup>o</sup>fx<sup>o</sup>mqx<sup>o</sup> r<sup>o</sup>qf<sup>o</sup>U o tmg o [40a,b]<420XK04224" c'420XK04228."4" 0<sup>o</sup>Malá Uvtepc<sup>o</sup>RT [41]<470X04222."450X04224" c'40XK04226."7" 0<sup>o</sup>Ogcpft{<sup>o</sup>U o f<sup>o</sup>RT [43a,b,c,d]<:0KZ04226."530X0." 440XK0/70XKK0" c'3; 0XKKK0/60KZ04227.";" 0<sup>o</sup>Minkovice [44]<440XK04228."3" 0<sup>o</sup>Mníšek [45a,b]<460X0" c'380XK04225." 5" 0<sup>o</sup>Nová louka PR [46a]<4; 0XK0/320XKK04224."3" 0<sup>o</sup>Pqx<sup>o</sup>"O vq<sup>o</sup>r<sup>o</sup>qf<sup>o</sup>U o tmg o [6; <420XK04224."3" 0<sup>o</sup>Novina [49a,b]<460X04222."4" 0<sup>o</sup>Qnf kej<sup>o</sup>qx<sup>o</sup>"J<sup>o</sup>A<sup>o</sup>fej [51a]<3; 0XK04225."3" 0<sup>o</sup>Paseky nad Jizerou [53]<:0KZ04226."3" 0<sup>o</sup> Peklo [54a]<3; 0XK04225."4" 0<sup>o</sup>Poustecká obora [57]<440XK04228."3" 0<sup>o</sup>T<sup>o</sup> f<sup>o</sup>q<sup>o</sup>"ó pcf<sup>o</sup>mqwrcnk- v o<sup>o</sup>RR [60]< 520XKKK04223."3" 0<sup>o</sup>Raspenava [61a,b,c,d,f]<420XK04223."3; 0XK0."520XKKK04225."530X0."30XK04226" c'440XK04228."9" 0<sup>o</sup> Tc-g<sup>o</sup>nk<sup>o</sup>p<sup>o</sup>-v "Lk|gt<sup>o</sup>{<sup>o</sup>PRT [62c]<430XK04223."3" 0<sup>o</sup>Rejdice [63a,b,c]<390XK04224."50XK04226."520X0."520X0/380XK0." 380XKKK0/30KZ0" c'30/440KZ04227."8" 0<sup>o</sup>Rudolfof [64a]<440X04224."3" 0<sup>o</sup>Ummgpc keg [66a]<:0KZ04226."3" 0<sup>o</sup>Unc<sup>o</sup>fm<sup>o</sup>" Díra [67b]<3; 0XK04224."3" 0<sup>o</sup>U o tflq<sup>o</sup>xmc [69a,b]<3; 0XK04224."5" 0<sup>o</sup>Uq- [70]<460X04222."3" 0<sup>o</sup>Ux vn<sup>o</sup> [71a]< 3; 0XK04224."3" 0<sup>o</sup>™qne x<sup>o</sup>t<sup>o</sup>{dp<sup>o</sup>fm [72]<3; 0XK0."340XKK04223."520XK0/390X0."4; 0XK0/320XKK0" c'320XK0/30XKKK04224."7" 0<sup>o</sup> Vlej<sup>o</sup>" f<sup>o</sup> mc<sup>o</sup>RR [73]<450X04224."3" 0<sup>o</sup>U Kyselky [75]<420XK04224."3" 0<sup>o</sup>X<sup>o</sup> enc<sup>o</sup>fmqx<sup>o</sup>Uv<sup>o</sup>wf<sup>o</sup>p<sup>o</sup>mc [76]<3; 0XK04228." 3" 0<sup>o</sup>X vtqx [77]<420XK04223."3" 0<sup>o</sup>Xtevkuncx<sup>o</sup>keg<sup>o</sup>pcf<sup>o</sup>Pluq<sup>o</sup>w [78]<420KZ04228."3" 0<sup>o</sup>Zlatá Olešnice [79b,c,d]<50XK0" c'; 0KZ04226."6" 0

*Saraiella rotunda* \*Mtgm."3; 92+ "

U<<sup>o</sup>CR

Nqm<sup>o</sup>np "jqlp ."rtxf r<sup>o</sup>qf<sup>o</sup>qdp "uwd o g<sup>o</sup>fk<sup>o</sup>vgt<sup>o</sup>tp<sup>o</sup>"jqtum "ftwj<sup>o</sup>\*Lgflgm"4228d+|p<sup>o</sup> a o |" gum<sup>2</sup>" tgrwdnkm{."Unqxp<sup>o</sup>p<sup>o</sup>mc."Kv<sup>o</sup>"n<sup>o</sup>g."Ut<sup>o</sup>dumc."Dq<sup>o</sup>p{ "c" J<sup>o</sup>gtegi<sup>o</sup>qx<sup>o</sup>kp{0<sup>o</sup>"Pflg<sup>o</sup>wx<sup>o</sup>g<sup>o</sup>fp<sup>o</sup>"nqmcnkvc" r<sup>o</sup>qnum<sup>2</sup> j<sup>o</sup>q" rtxq<sup>o</sup>ng|w<sup>o</sup>Vq<sup>o</sup>th<sup>o</sup>q<sup>o</sup>kumq" Oé{ umk<sup>o</sup>"lg" x dge" pglugxgtp l-<sup>o</sup>"|p<sup>o</sup> a o qw"nqmcnkqv<sup>o</sup> vq<sup>o</sup>j<sup>o</sup>qv<sup>o</sup> "ftwj<sup>o</sup>w" x"Gxtqr 0

Dgf kej<sup>o</sup>qx [3]<440X04224."3" 0<sup>o</sup>Bukovec PR [6a,b,c]<70/380X0."380/4; 0X0."530X0."420XKKK0/40KZ04225."430XK04228" c'3; 0/420XK04229."8" 0<sup>o</sup>Dolní Polubný [12]<450X04222."3" 0<sup>o</sup>Horní Polubný [23b]<520X04227."3" 0<sup>o</sup>J tcd v<sup>o</sup>eg [24c]<450X04224."3" 0<sup>o</sup>Nkdtge/Xguge [38]<380XKKK04226."3" 0<sup>o</sup>Tc-g<sup>o</sup>nk<sup>o</sup>p<sup>o</sup>-v "Lk|gt<sup>o</sup>{<sup>o</sup>PRT [62b]<430XK04223."3" 0<sup>o</sup> Rejdice [63a]<380XKKK0/30KZ0" c'30/440KZ04227."4" 0<sup>o</sup>Rudolfof [64a,b]<440X04224."4" 0<sup>o</sup>Vq<sup>o</sup>th<sup>o</sup>q<sup>o</sup>kumq" Oé{ umk<sup>o</sup>" [74]<90KZ04226."3" 0

*Szaboiella hibernica* \*Vpppqt."3; 62+ "

U<<sup>o</sup>CR

Nkvt<sup>o</sup>tp<sup>o</sup>"Áfc|g< gum<sup>™w</sup>o dwtm."Ocn<sup>o</sup>"Uvtepc<sup>o</sup>RT."Rwv<sup>o</sup>kp{"\*Lgflgm"4226c+0 Gxtqrum "ftwj<sup>o</sup>u<sup>o</sup>ctg<sup>o</sup>ng o<sup>o</sup> x um{vw<sup>o</sup>r<sup>o</sup>qmt xcl<sup>o</sup>|e<sup>o</sup>"o R{tgp<sup>o</sup>glum "r<sup>o</sup>q<sup>o</sup>qqv<sup>o</sup>tx."Dtkvum<sup>2</sup>"quvtqx{."uv<sup>o</sup>v<sup>o</sup>" r k<sup>o</sup>Ugxgtp<sup>o</sup>"o o<sup>o</sup>q k<sup>o</sup>c<sup>o</sup>uv g<sup>o</sup>fp<sup>o</sup>"Gxtqrw."Crg<sup>o</sup>pkp{."Den<sup>o</sup>m<sup>o</sup>pum "r<sup>o</sup>q<sup>o</sup>qqv<sup>o</sup>tx" c<sup>o</sup>Mcxm<sup>o</sup>|\*Cde<sup>o</sup>j<sup>o</sup> a |kg+0<sup>o</sup> Ur<sup>o</sup>|g<sup>o</sup>j<sup>o</sup>qtum "ftwj<sup>o</sup>u<sup>o</sup> x um{vg<sup>o</sup>o<sup>o</sup> qf<sup>o</sup>"622"fq<sup>o</sup>3"692" o<sup>o</sup>p<sup>o</sup>0 o."pc<sup>o</sup>Mcxm<sup>o</sup>|g<sup>o</sup>cf<sup>o</sup>"4"572" o<sup>o</sup>p<sup>o</sup>0 o<sup>o</sup>

Bílý Potok [5a]<440X04225."530X04226" c'40XK04227."5" 0<sup>o</sup> gum<sup>™w</sup>o dwtm [9]<520X04227."3" 0<sup>o</sup>Horní Polubný [23b]<520X04227" c'3; 0XK04228."4" 0<sup>o</sup>Mq gpqx [32]<3; 0XK04228."3" 0<sup>o</sup>Rejdice [63a,c]<50XK04226."520X0."520X0/380 XK0."380XKKK0/30KZ0" c'30/440KZ04227.";" 0<sup>o</sup>Zlatá Olešnice [79b]<440XK04227."3" 0

*Tonnoiriella nigricauda* \*Vpppqt."3; 3; + "

U<<sup>o</sup>CR

Pgjqlp "gxtqrum "ftwj<sup>o</sup>|p<sup>o</sup> a o "r<sup>o</sup>q<sup>o</sup>w|g<sup>o</sup>"Dgn<sup>o</sup>ikg."F<sup>o</sup>a<sup>o</sup>p<sup>o</sup>mc."Hk<sup>o</sup>p<sup>o</sup>mc." gum<sup>2</sup>"tgrwdnkm{ "c<sup>o</sup>Unqxp<sup>o</sup>p<sup>o</sup>mc" \*Lgflgm"4228d+0

Nkdtge/Xguge [38]<380XKKK04226."3" 0<sup>o</sup>Ocn<sup>o</sup>"Uvtepc<sup>o</sup>RT [41]<450X04224."3" 0<sup>o</sup>Ogcpft{<sup>o</sup>U o f<sup>o</sup>RT [43a]<:0KZ04226" c'530X04227."4" 0<sup>o</sup>Raspenava [61d]<30XK04226."3" 0<sup>o</sup>™qne x<sup>o</sup>t<sup>o</sup>{dp<sup>o</sup>fm [72]<520XK0/390X0" c'4; 0XK0/320XKK04224." 4" 0<sup>o</sup>Zlatá Olešnice [79c]<50XK04226."3" 0

*Tonnoiriella pulchra*\*Gcvqp."3:;5+

Pgr {nk-}jqlp "gxtqrum "ftwj|p<sup>a</sup>o " |g|<sup>a</sup>rcfp|c"uv gfp|Gxtqr{. "pglx ejqfp l-|Àfclg"luqw  
| "Nkvx {0"X"dqtg<sup>a</sup>np|o "gmtgikqpw"ej {d|, "mtqo "lkf|p|Gxtqr { " |c|pc o gp<sup>a</sup>p<sup>k</sup>"x"ugxgtp|Chtkeg"  
\*Octmq+0"Rqftqdp<sup>2</sup>"Àfclg"q|lgj"q"x um{vw"x"p mvgt ej"jtcpk p|ej"jqt<sup>a</sup>ej" gum<sup>2</sup>tgrwdnkm{"  
xk| "Lgflgm"\*4228c;"c" "Lgflgm" ( "J<sup>a</sup>Igm"\*4229+)

**Bílý Potok [5a,b]**<440X04225."530X04226" c"40XK04227."6" 0" gtpqwu{/X'Rqnk [8a]<:0KZ04226."3" 0" J qtp| gtp"  
Uvwf pkeg [19]<450XK04228."3" 0" Horní Polubný [23b]<520X04227" c"3; 0XK04228."5" 0" J tcd vkeg [24a]<450X04224."3"  
3" 0" N<sup>a</sup>|p "Nkdxgt f [36b]<420XK04224" c"30XK04226."4" 0" Ocn<sup>a</sup>Uvtepc<sup>a</sup>RT [41]<450X04224."3" 0" Paseky nad  
Jizerou [53]<:0KZ04226."3" 0" Zlatá Olešnice [79b]<:0KZ04226."4" 0

*Ulomyia annulata annulata* \*Vppqkt."3;3;+

Pgr {nk-}jqlp "gxtqrumq/|<sup>a</sup>rcfqkdkd um "rqfftwj"tgikvtxqcp "rqw|g"x"Dgnik."P o gemw." gum<sup>2</sup>  
tgrwdnkeg."Unqxgpumw" c"Nkvx 0" Pglx ejqfp l-|<sup>a</sup>x um{v|g"fqmncfqx<sup>a</sup>p"|g"Uldk g<sup>a</sup>Pqxqkdktdum<sup>a</sup>  
qdnucv+0"X{um {vw|g"ug"qlgfkp ng"qf"p|flkp"rq"jqtum<sup>2</sup>"nqmcnk v{0" *Ulomyia annulata chimganensis*  
Lgflgm."3; ;9"d|nc"rqr<sup>a</sup>pc"|W|dgmku<sup>a</sup>pw0"Rqftqdp l-|Àfclg|xk| "Lgflgm"\*3; ;4."3; ;9c+0

**Ogcpft**{Uo f<sup>2</sup>RT [43a,b,d]<:0KZ04226" c"440XK0/70XK04227."5" 0

*Ulomyia cognata* \*Gcvqp."3:;5+

Nqm<sup>a</sup>np "jqlp "gxtqrum "ftwj|p<sup>a</sup>o " |t |p ej"pcf oq um ej"x -gm." rwdnkmqxcp " |cv|o"  
| "Htcpekg."P o gemc."Xgnm<sup>2</sup>Dtk<sup>a</sup>pkg." gum<sup>2</sup>tgrwdnkm{."Unqxgpumc."Rqnumc"\*Lgflgm/4229+."Nkvx {."  
Tcmqwumc."Unqxpumc"\*Lgflgm/4224+"c"Kv<sup>a</sup>nk0"

**Dgf kej qx [3]**<440X04224."3" 0" Bukovec PR [6a]<380/4; 0X0" c"530X04225."4" 0" gum<sup>a</sup>w o dwtm [9]<520X04227."3" 0"  
Dolní Maxov [10c]<470X04222."3" 0" Horní Maxov [21b,c]<470X04222."4" 0" Horní Polubný [23a,b]<460X04222."  
520X04227" c"3; 0XK04228."6" 0" J tcd vkeg [24a]<450X04224."3" 0" J tckp p<sup>a</sup> [25]<450X04224."3" 0" Lgf<sup>a</sup>qx "f n"RT  
[27]<3; 0/520X04227."3" 0" Karlov [31]<470X04222" c"450X04224."4" 0" Ocn<sup>a</sup>Uvtepc<sup>a</sup>RT [41]<470X04222."390/450X0."  
450X04224" c"40XK04226."8" 0" Novina [49a,b]<460X04222."4" 0" P qx{"Fq o m| [50]<460X04222."3" 0" Rejdice  
[63a,c]<50XK04226."520X0."520X0/380XK0."380XK00/30KZ0" c"30/440KZ04227."9" 0" Rudolfovo [64a]<440X04224."3" 0"  
Umgpc keg [66a]<:0KZ04226."3" 0

*Ulomyia fuliginosa* \*Ogkigp."3:26+

Lgfgp|"pgljqlp l-|ej"ftwj " gngfk"x dge"u"x um{vg o"rq"egn<sup>2</sup>"Gxtqr "qf"p|flkp"rq"jqtum<sup>2</sup>  
o cukx{"\*Lgflgm/4226d+0 —fclg|"À|g o|<sup>a</sup>d xcn<sup>2</sup>jq"Uqx vum<sup>2</sup>jq"uxc|w"luqw"cn g"xgn o k"urqt<sup>2</sup>  
\*rqw|g"Nkvxc+0"

**Albrecht v Jizerských horách [1]**<450X04222."3" 0" Arnoltice [2]<330XK04225."3" 0" Dgf kej qx [3]<440X04224."  
3" 0" Bílý Potok [5a,b,c]<440X04225."530X04226."40" c"50XK04227."8" 0" Bulovka [7a]<30XK04227."3" 0" gtpqwu/  
X'Rqnk [8a]<:0KZ04226."3" 0" gum<sup>a</sup>w o dwtm [9]<390XK04224" c"520X04227."4" 0" Dolní Polubný [12]<450X04222."  
3" 0" Ferdinandov [13]<3; 0XK04223" c"3; 0XK04226."4" 0" Hqlvgem "o qm cf"RR [14]<3; 0XK04223" c"3; 0XK04225."  
5" 0" Frýdlant [16b]<3; 0XK04223."4" 0" Harta [17]<340X04228."3" 0" Hejnice [18a]<40XK04228."3" 0" Horní  
gtp<sup>a</sup>"Uvwf pkeg [19]<450XK04228."3" 0" J qtp|Nw cp{ [20]<390XK04225."3" 0" Horní Maxov [21a,c]<470X04222"  
c"3; 0XK04224."4" 0" Horní Pertoltice [22a]<30XK04227."3" 0" Horní Polubný [23b]<520X04227" c"3; 0XK04228."  
6" 0" J tcd vkeg [24a]<450X04224."3" 0" J tckp p<sup>a</sup> [25]<450X04224."3" 0" Jablonec nad Nisou [26]<390XK04225."  
3" 0" Lkf qjxum "o qm cf"RR [28]<390XK04225."3" 0" Lk gvp"rqf"Dwmqxw [29]<390XK04225."3" 0" Karlov [31]<  
450X04224."3" 0" Mt<sup>a</sup>up<sup>a</sup>"Uvwf<sup>a</sup>pmc [33]<3; 0XK04225."3" 0" M flqx "xtej"RT [34]<530X04226."3" 0" N<sup>a</sup>|p "Nkdxgt/  
da [36b]<420XK04224."3; 0XK04225" c"30XK04226."5" 0" Nkdtg/Xguge [38]<90" c"380XK04226."4" 0" Nw cp{"pcf"  
Nisou [39b]<390XK04225."3" 0" Ocn<sup>a</sup>Uvtepc<sup>a</sup>RT [41]<450X04224" c"40XK04226."6" 0" Mníšek [45a,b]<380XK04225."  
4" 0" P qx{"Fq o m| [50]<460X04222."3" 0" Qf kej qx"x"J<sup>a</sup>|fej [51a]<3; 0XK04225."3" 0" Paseky nad Jizerou  
[53]<:0KZ04226."3" 0" Peklo [54a,b]<3; 0XK04225."4" 0" Plavy [55]<450XK04228."3" 0" Tcf keg [59]<3; 0XK04225."  
3" 0" Raspenava [61a,d]<3; 0XK04225."530X0" c"30XK04226."5" 0" Rejdice [63a,b,c]<390XK04224."50XK0" c"; 0KZ04226."  
520X0."520X0/380XK0."380XK00/30KZ0" c"30/440KZ04227."32" 0" Umgpc keg [66a,b]<:0KZ04226."5" 0" Uncf m<sup>a</sup>F<sup>a</sup>te [67a]<  
3; 0XK04224."3" 0" U o tm [68b]<420XK04228."3" 0" U o tflqmc [69a]<3; 0XK04224."3" 0" Ux vn<sup>a</sup> [71b]<3; 0XK04224."3" 0"  
X vtqx [77]<420XK04223."3" 0" Zlatá Olešnice [79a,b,c,d]<390XK04224."50XK0."; 0KZ04226" c"440XK04227."9" 0

*Uloomyia plumata* \*Vqppqkt."3;3;+ "

U<CR

Nqm<sup>a</sup>np "jqlp "gxtqrum "ftwj."urfl-g"jqtum .|p<sup>a</sup>o "rqw|g|"Dgnikg."Htcpek.g." gum<sup>2</sup>tgrwdnk{ "c<Cnd<sup>a</sup>pkg\*"Lgflgm"4226d+

**Albrechtice v Jizerských horách** [1]<450X04222."3" 0"Dgf ke j q x [3]<440X04224."3" 0"Bukovec PR [6a,b]<380/4;0 X04225" c<430X04228."4" 0"Dolní Maxov [10b,c]<470X04222" c<3; 0X04224."4" 0"Dolní Polubný [12]<450X04222."3" 0" **J qtp** " gtp<sup>a</sup>Uvwfpleg [19]<450X04228."3" 0" **J qtp** "Nw cp { [20]<390X04225."3" 0"Horní Maxov [21a,b,c]<470X04222" c<3; 0X04224."5" 0"**Horní Polubný** [23a,b]<460X04222."520X04227" c<3; 0X04228."6" 0" **J tcd** vkeg [24a,b,c]<450X04224."5" 0"Lkp f ke j q x u m " o q m c f "RR [28]<390X04225."4" 0"**Jizerka** [30]<350X04223."3" 0" **Mq gpqx** [32]<3; 0X04228."3" 0" **O c a** "Uvtcpc"RT [41]<470X04222."450X04224" c<40X04226."7" 0" **P q x** {"Fq o m { [50]<460X04222."3" 0" **Plavy** [55]<450X04228."3" 0" **Pustiny** [58]<450X04222."3" 0" **Rejdice** [63a,b,c]<390X04224."50X04226."520X0/380X04227."9" 0"**Rudolfovo** [64b]<440X04224."3" 0" **Uncfm** "F{tc [67a,b]<3; 0X04224."4" 0" **U o t m** [68b]<420X04228."3" 0" **Ux v n** [71a]<3; 0X04224."3" 0" **Vke j** " a m c "RR [73]<450X04224."3" 0" **Zlatá Olešnice** [79b]<440X04227."3" 0

*Uloomyia vaseki*"Lgflgm."4224"

U<EN

Rqw |g"nkvgt<sup>a</sup>tp"Àfcl"Lk|gtmc\*"Lgflgm"4224."rctcv { r w u +0

Qdgp "x|<sup>a</sup>ep ."rqw|g"nqm<sup>a</sup>np "jqlp "gxtqrum "ftwj."|p<sup>a</sup>o "rqw|g|" gum<sup>2</sup>tgrwdnk{\*"Qtnekem<sup>2</sup>" jqt {"\*Ocegmg"gn0"4227+."Lk|gtum<sup>2</sup>"jqt {" gumq o q t c x u m<sup>2</sup>" o g | k j q | . " T { e j n g d u m<sup>2</sup>" j q t { " c " L g u g / p { m { + . " U n q x g p u m c \* " U n q x g p u m<sup>2</sup>" T w f q j q | { " c " U n q x k p u m c \* " L w n u m<sup>2</sup>" C n r { " c " M c t c x c p m { +0

\ j q f p q e g p " x u n g f m

Pc"9; " j n c x p { e j " n q m c n k v<sup>a</sup> e j " \* À j t p g o " p c x { e " u g " 9 ; " f { n " f o k' d k v q r { + " x " L k | g t u m e j " j q t<sup>a</sup> e j " c " p c " H t f n c p v u m w d { n q " x " n g v g e j " 422264229" | c t g i k u v t q x<sup>a</sup> p q { e g n m g o " 9 : " f t w j " " g n g f k " R u { e j q f k f c g " \* x g v p " l g f p<sup>2</sup>" u w d u r g e k g + . " e q f l r g f u v c x w l g " 74.9 " ' h c w p { " m q w w v n { " g u m<sup>2</sup>" t g r w d n k m { " c " 83.6 " " h c w p { " g e j<sup>0</sup> " L g " v q " q " 34 " f t w j " x { e g " p g f l " x " E J M Q " Q t n k e m<sup>2</sup>" j q t { " | c " r q w f l k v { " q d f q d p e j " o g v q f " u d t w . " c n g " o g p - f j q " c u q x<sup>2</sup> j q " t q | r v { " \* x k | " O c e g m " g v " c n 0 " 4227 = " L g f l g m " ( " J<sup>a</sup> l g m " 4229 + 0 " P g f<sup>a</sup> x p " x | m w o " x " E J M Q " L g u g p { m { " | c e j { v k n { t q x p f l " 9 : " f t w j " m q w w v n { " \* L g f l g m " 4228 c + 0

\ e g n m q x<sup>2</sup> j q " r q v w " f t w j " | l k - v p e j " x " L k | g t u m e j " j q t<sup>a</sup> e j " c " p c " H t f n c p v u m w l g " 69 " g x t q r u m<sup>2</sup> j q " t q | - f | g p { " \* 82.2 " ' + . " 9 " u v g f q g x t q r u m<sup>2</sup> j q " \* . ; . 2 " ' + . " 9 " j q n c t m v k e m<sup>2</sup> j q " \* . ; . 2 " ' + . " 8 " g x t q r u m q / " a " r c / f q u k d k u m<sup>2</sup> j q " \* 9.9 " ' + . " 5 " r c n g c t m v k e m<sup>2</sup> j q " \* 5. ; " ' + . " 5 " m q u o q r q n k v p f j q " \* 5. ; " ' + . " 4 " u w d o g f k v g t t<sup>a</sup> p { j q " \* 4.8 " ' + . " 4 " v t c p u m c x m c | u m<sup>2</sup> j q " \* 4.8 " ' + c " 3 " g x t q c u k l u m<sup>2</sup> j q " \* 3.5 " ' + 0 "

Pq x o k' f t w j { " r t q " h c w p w " g e j " l u q w " B e r d e n i e l l a k o c i i " \* T g l f k e g + " c " B . p y r e n a i c a " \* M q g p q x + " p q x o " f t w j g o " r t q " h c w p w " R q n u m " l g " S a r a i e l l a r o t u n d a " \* V q t h q y k u m q " O é { " u m k g + 0 " P c " n q m c n k v " L k | g t / m c " d { n " q f e j " e g p " r c t c v { r w u " U l o m y i a v a s e k i " 0 " X " r g f n q f l g p<sup>2</sup>" u w f k l " l g " w x g f g p c " p q x<sup>a</sup> " m q o d k p c e g " t q f q x<sup>2</sup> j q " c " f t w j q x<sup>2</sup> j q " l o " 2 p c " P s y c h o m o r a m y c o p h i l a " \* X c k n n c p v . " 3 ; : : + " e q o d 0 " p 0 " \* ? " P . v a n h a r a i L g f l g m . " 3 ; ; 7 + " c " u { p q p { o k m c " r n p " w | p<sup>a</sup> p c " \* x k | " r q f t q d p q u v k " x " v g z v w + 0 "

M t k v k e m { " q j t q f l g p e j " f t w j " \* E T + d { n q " | l k - v p q " 34 . " q j t q f l g p e j " \* G P + " 9 . " | t c p k v g n p<sup>2</sup> " \* X W + " 6 " c " 8 " f t w j " l g " p w p q " r t d f l p " u n g f q x c v " f q " r " r c f p<sup>2</sup> j q " f c n - f j q " x { f<sup>a</sup> p " | g t x g p<sup>2</sup> j q " u g | p c o w " d g | q d t c v e j<sup>0</sup> " M " p g l d q j c v - f l o " À | g o f l o " L k | g t u m e j " j q t " c " H t f n c p v u m c " | j n g f k u m c " x u m { v w " g n g f k " R u { e j q f k f c g " r c v " f n q m c n k v { " T g l f k e g " c " " n c v<sup>a</sup> " Q n g - p k e g " \* q d " r q " 4 : " f t w | f e j " m q w w v n { . " R T " O g c p f t { " U o f<sup>2</sup> \* 49 " f t w j + . " T c u r g p c x c \* 45 + " c " T m q e x t { d p { m " 43 + 0 " P e r t q v k " v q o " w g z k u v w l " 5 " n q m c n k v { " r q w | g " u " l g f p l o " f t w j g o " c " 44 " f t w j " d { n q " f q m n c f q x<sup>a</sup> p q " l g p q o " p c " l g f p<sup>2</sup> " n q m c n k v " 0 " F t w j { " q e j t c p<sup>a</sup> u m { " x | p c o p<sup>2</sup> u g " x { u m { v w l " p c " 78 " n q m c n k v<sup>a</sup> e j " c " 45 " n q m c n k v " l g " d g | " v c m q x e j " f t w j " 0 " P g l m x c n k v p l - f l o " À | g o f l o " | " v q j q v q " j n g f k u m c " l u q w " O g c p f t { " U o f<sup>2</sup> " R T " \* 32 " f t w j " < " 8 " E T . " 3 " G P . " 3 " X W + . " T g l f k e g " \* 9 < " 6 " E T . " 3 " G P . " 3 " X W + . " " n c v<sup>a</sup> " Q n g - p k e g " \* 8 < " 6 " E T . " 4 " X W + . " J q t p { " R q n w d p " \* 7 < " 5 " E T . " 3 " X W + . " R u c x { " \* 7 < " 4 " E T . " 3 " G P . " 3 " X W + . " g u m " T m w o d w t m " \* 6 < " 4 " E T . " 4 " G P + . " M q g p q x " \* 6 < " 4 " E T . " 3 " X W + . " O c n<sup>a</sup> " U v t c p c " R T " \* 6 < " 5 " E T . " 3 " X W + . " T c u r g p c x c " \* 6 < " 3 " E T . " 4 " G P . " 3 " X W + 0 " F c n - f l " n q m c n k v { " | " w x g f g p e j " 78 " o c l { " 365 " q e j t c p<sup>a</sup> u m { " x | p c o p<sup>2</sup> " f t w j { 0



Rqf mx<sup>a</sup>pf<sup>0</sup> Pc-<sup>l</sup> rqxkppqu<sup>l</sup>lg<sup>wr</sup> fop "rqf mxqcv<sup>r</sup> rfgx-<sup>f</sup>o "O<sup>0</sup>Ejx<sup>a</sup>nqxk<sup>\*R</sup> f<sup>l</sup>hcm<sup>0</sup>WM<sup>R</sup>tcjc<sup>+</sup>|c<sup>l</sup>lgjq<sup>q</sup>rt<sup>a</sup>xp p<sup>2</sup> mtkvem<sup>2</sup>r krqo<sup>f</sup>pm{. "mqpvtwmvxp<sup>f</sup>p<sup>a</sup>xtj {<sup>c</sup>pcu<sup>f</sup>p p<sup>l</sup>r<sup>q</sup>wdp ej<sup>l</sup>qr<sup>t</sup>cx<sup>r</sup>r krtcxqxp<sup>2</sup>jq<sup>o</sup>cpwumtkrw<sup>0</sup>X |mw<sup>o</sup>d{<sup>n</sup> r<sup>q</sup>r<sup>f</sup>g<sup>p</sup>Ol<sup>k</sup>lv<sup>u</sup>tvxg<sup>o</sup>m<sup>w</sup>nwt{ " gum<sup>2</sup>tgrwdnk{<sup>\*i</sup>tcp<sup>0</sup>OM22224549423+0

## NKVGTCVWTC

- DTCXQ<sup>0</sup>H<sup>l</sup>.EQTFGKTQ<sup>0</sup>F<sup>0</sup> ("E J C I C U<sup>0</sup>E<sup>0</sup>4228<V<sup>y</sup>q<sup>pg</sup>y<sup>ur</sup>gekgu<sup>cp</sup>f<sup>pg</sup>y<sup>t</sup>geq<sup>t</sup>fu<sup>q</sup>h<sup>Ru</sup>{ej<sup>q</sup>fk<sup>Ncvt</sup>gkng<sup>\*Fkr</sup>/vgtc<Ru{ej<sup>q</sup>fkf<sup>c</sup>g<Ru{ej<sup>q</sup>fkpcg<sup>+</sup>htq<sup>o</sup>Dtc|kn." ykvj<sup>l</sup>eq<sup>o</sup>o<sup>g</sup>pu<sup>w</sup>q<sup>u</sup>wrtcurgekgE<sup>encu</sup>uk<sup>Le</sup>cvkq<sup>p</sup>qh<sup>v</sup>j<sup>g</sup> igp<sup>w</sup>l<sup>0</sup>Zootaxa."34; :<3/370
- FWEMJ QWUG<sup>0</sup>F<sup>0</sup>C<sup>0</sup> ("N<sup>Y</sup>KU<sup>0</sup>F<sup>0</sup>L<sup>0</sup>4222<370<sup>Hc</sup>o<sup>kn</sup>{ "Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>0</sup>K<sup>0</sup>GXGP J W<sup>KU</sup> P<sup>0</sup>N<sup>0</sup>\*g<sup>f</sup>o<Catalog of the Diptera of the Australasian and Oceanian Regions. Cxkncdng<sup>htq</sup>o<sup>j</sup>w<sup>r</sup><l<sup>j</sup>du<sup>l</sup>duj<sup>q</sup>r<sup>o</sup>wug<sup>o</sup>l<sup>q</sup>tl<sup>l</sup>ceq<sup>cv</sup>ru{/ej<sup>q</sup>fl<sup>j</sup>o<sup>n</sup>\*ceegu<sup>g</sup>f<sup>L</sup>cpwct{ "4228+0
- LGfiGM<sup>L</sup>0<sup>3</sup>; 94<Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>l</sup>ku<sup>w</sup>fe<sup>l</sup>ej<sup>w</sup>upke<sup>q</sup>f<sup>r</sup>cf<sup>p</sup>fe<sup>l</sup>xq<sup>f</sup>x<sup>g</sup>ej<sup>l</sup>e<sup>0</sup>J<sup>Ru</sup>{ej<sup>q</sup>fkf<sup>c</sup>g<sup>l</sup>kw<sup>r</sup>tk<sup>Le</sup>cvkq<sup>p</sup>rnc<sup>p</sup>vu<sup>h</sup>q<sup>t</sup>ug<sup>y</sup>o<sup>c</sup>ig<sup>y</sup>cv<sup>g</sup>u<sup>l</sup>kp<sup>D</sup>qj<sup>o</sup>g<sup>o</sup>ke<sup>l</sup>U<sup>dq</sup>l<sup>L</sup>kj<sup>g</sup>g<sup>u</sup>l<sup>Ow</sup>/0<sup>x</sup>g<sup>u</sup>l<sup>Dw</sup>f<sup>l</sup>qx<sup>ke</sup>fej<sup>R</sup>f<sup>l</sup>0<sup>X</sup>ff<sup>l</sup>.34."Uw<sup>r</sup>rn<sup>0</sup>4<sup>l</sup>4; ;\*<sup>k</sup>p<sup>E</sup>l<sup>g</sup>ej<sup>+</sup>0
- LGfiGM<sup>L</sup>0<sup>3</sup>; 99<T<sup>g</sup>kv<sup>o</sup>cv<sup>g</sup>o<sup>g</sup>pv<sup>l</sup>qh<sup>v</sup>j<sup>g</sup>i<sup>g</sup>gp<sup>w</sup>u<sup>V</sup>pg<sup>ct</sup>ck<sup>U</sup>e<sup>j</sup>gm<sup>pd</sup>gti<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>C<sup>evc</sup><sup>G</sup>p<sup>l</sup>0<sup>D</sup>qj<sup>g</sup>o<sup>q</sup>mq<sup>xl</sup>."96<454/4630
- LGfiGM<sup>L</sup>0<sup>3</sup>; 9;<L<sup>w</sup>p<sup>i</sup>kg<sup>m</sup>c<sup>d</sup>qj<sup>g</sup>o<sup>ke</sup>c<sup>u</sup>r<sup>l</sup>0<sup>p</sup>l<sup>ht</sup>q<sup>o</sup>E<sup>l</sup>g<sup>e</sup>j<sup>q</sup>un<sup>q</sup>x<sup>c</sup>mkc<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>Acta Ent. Bohemoslov.. "98<563/5660
- LGfiGM<sup>L</sup>0<sup>3</sup>; :4<U<sup>q</sup>o<sup>g</sup>pg<sup>y</sup>h<sup>c</sup>w<sup>p</sup>ku<sup>v</sup>ke<sup>t</sup>geq<sup>t</sup>fu<sup>q</sup>h<sup>Ru</sup>{ej<sup>q</sup>fkf<sup>c</sup>g<sup>\*F</sup>krv<sup>g</sup>tc;"qh<sup>D</sup>qj<sup>g</sup>o<sup>k</sup>cp<sup>M</sup>ct<sup>u</sup>v<sup>0</sup>kp<sup>TQ</sup>l<sup>MQ</sup>l<sup>MP</sup> "T<sup>0</sup> ("X<sup>C</sup> J<sup>C</sup>T<sup>C</sup>L<sup>0</sup>\*g<sup>f</sup>u<F<sup>kr</sup>v<sup>g</sup>tc<sup>q</sup>q<sup>i</sup>kec<sup>D</sup>qj<sup>g</sup>o<sup>q</sup>un<sup>q</sup>x<sup>c</sup>ec."X<sup>q</sup>l<sup>0</sup>5<sup>0</sup>Folia Fac. Sci. Nat. Univ. Purk. Brun.."45." Biol.."96<sup>9</sup>+<79/820
- LGfiGM<sup>L</sup>0<sup>3</sup>; :5c<E<sup>q</sup>p<sup>t</sup>kd<sup>w</sup>vkq<sup>p</sup>v<sup>q</sup>v<sup>j</sup>g<sup>v</sup>cz<sup>q</sup>pp<sup>o</sup>{ "qh<sup>v</sup>j<sup>g</sup>i<sup>g</sup>gp<sup>w</sup>u<sup>N</sup>q<sup>i</sup>ko<sup>c</sup>G<sup>cv</sup>l<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>Acta Ent. Mus. P<sup>cv</sup>l<sup>R</sup>tc<sup>i</sup>g."63<435/4560
- LGfiGM<sup>L</sup>0<sup>3</sup>; :5d<K<sup>p</sup>v<sup>g</sup>t<sup>i</sup>g<sup>p</sup>g<sup>t</sup>ke<sup>l</sup>gn<sup>c</sup>vk<sup>q</sup>pv<sup>j</sup>kr<sup>u</sup>qh<sup>u</sup>gn<sup>e</sup>vg<sup>f</sup>v<sup>t</sup>kd<sup>g</sup>u<sup>q</sup>h<sup>v</sup>j<sup>g</sup>u<sup>w</sup>dh<sup>o</sup>o<sup>kn</sup>{ "Ru{ej<sup>q</sup>fkpc<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>htq<sup>o</sup>E<sup>l</sup>g<sup>e</sup>j<sup>q</sup>un<sup>q</sup>x<sup>c</sup>mkc<sup>l</sup>C<sup>evc</sup><sup>G</sup>p<sup>l</sup>0<sup>O</sup>w<sup>l</sup>0<sup>P</sup>cv<sup>l</sup>R<sup>tc</sup>i<sup>g</sup>."63<477/47; 0
- LGfiGM<sup>L</sup>0<sup>3</sup>; :5e<E<sup>q</sup>p<sup>t</sup>kd<sup>w</sup>vkq<sup>p</sup>v<sup>q</sup>v<sup>j</sup>g<sup>m</sup>p<sup>q</sup>y<sup>ng</sup>f<sup>i</sup>g<sup>q</sup>h<sup>O</sup>qt<sup>o</sup>kk<sup>p</sup>G<sup>p</sup>l<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>E<sup>l</sup>g<sup>e</sup>j<sup>q</sup>un<sup>q</sup>x<sup>c</sup>mkc<sup>l</sup>Acta Ent. Mus. Nat. Pragae."63<3; ;/4340
- LGfiGM<sup>L</sup>0<sup>3</sup>; :5f<E<sup>q</sup>p<sup>t</sup>kd<sup>w</sup>vkq<sup>p</sup>v<sup>q</sup>v<sup>j</sup>g<sup>m</sup>p<sup>q</sup>y<sup>ng</sup>f<sup>i</sup>g<sup>q</sup>h<sup>v</sup>j<sup>g</sup>u<sup>w</sup>di<sup>g</sup>gp<sup>w</sup>u<sup>Ru</sup>{ej<sup>q</sup>je<sup>c</sup>L<sup>g</sup>fl<sup>0</sup>qh<sup>v</sup>j<sup>g</sup>i<sup>g</sup>gp<sup>w</sup>u<sup>L</sup>w<sup>p</sup>i<sup>kg</sup>m<sup>c</sup>X<sup>cn</sup>l<sup>0</sup>\*F<sup>kr</sup>v<sup>g</sup>tc." Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>E<sup>l</sup>g<sup>e</sup>j<sup>q</sup>un<sup>q</sup>x<sup>c</sup>mkc<sup>l</sup>Acta Ent. Mus. Nat. Pragae."63<457/4760
- LGfiGM<sup>L</sup>0<sup>3</sup>; :6c<V<sup>z</sup>q<sup>pp</sup>o<sup>ke</sup>p<sup>q</sup>g<sup>u</sup>q<sup>u</sup>q<sup>o</sup>qt<sup>o</sup>kk<sup>p</sup>\*F<sup>kr</sup>v<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>htq<sup>o</sup>v<sup>j</sup>g<sup>V</sup>ev<sup>t</sup>c<sup>P</sup>cv<sup>k</sup>q<sup>p</sup>en<sup>R</sup>ct<sup>m</sup>l<sup>Acta</sup> Ent. Bohemoslov.."3<445/4530
- LGfiGM<sup>L</sup>0<sup>3</sup>; :6d<P<sup>q</sup>o<sup>g</sup>p<sup>nc</sup>v<sup>q</sup>tk<sup>ec</sup>n<sup>e</sup>jc<sup>p</sup>i<sup>g</sup>u<sup>q</sup>h<sup>u</sup>o<sup>g</sup>jk<sup>i</sup>g<sup>t</sup>v<sup>cz</sup>q<sup>h</sup>rc<sup>nc</sup>g<sup>tc</sup>ve<sup>l</sup>Ru{ej<sup>q</sup>fkpc<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>C<sup>evc</sup><sup>H</sup>w<sup>p</sup>l<sup>G</sup>p<sup>l</sup>0<sup>O</sup>w<sup>l</sup>0<sup>P</sup>cv<sup>l</sup>R<sup>tc</sup>i<sup>g</sup>."39<377/3920
- LGfiGM<sup>L</sup>0<sup>3</sup>; :6e<U<sup>k</sup>z<sup>pg</sup>y<sup>i</sup>g<sup>p</sup>g<sup>tc</sup>q<sup>h</sup>v<sup>j</sup>g<sup>v</sup>tkd<sup>g</sup>Ru{ej<sup>q</sup>fk<sup>p</sup>G<sup>p</sup>l<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>Acta Faun. Ent. Mus. Nat. Pragae."39<355/3750
- LGfiGM<sup>L</sup>0<sup>3</sup>; :7c<C<sup>v</sup>cz<sup>q</sup>pp<sup>o</sup>ke<sup>u</sup>w<sup>f</sup>f<sup>q</sup>h<sup>v</sup>j<sup>g</sup>i<sup>g</sup>gp<sup>g</sup>tc<sup>Ru</sup>{e<sup>o</sup>g<sup>tc</sup>L<sup>g</sup>fl<sup>0</sup>cp<sup>f</sup>R<sup>ct</sup>cl<sup>w</sup>p<sup>i</sup>kg<sup>m</sup>c<sup>X</sup>cn<sup>l</sup>0<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>qh<sup>E</sup>l<sup>g</sup>e<sup>j</sup>q<sup>un</sup>q<sup>x</sup>c<sup>mk</sup>l<sup>C</sup>evc<sup>O</sup>w<sup>l</sup>0<sup>P</sup>cv<sup>l</sup>R<sup>tc</sup>i<sup>g</sup>."62D<sup>\*3</sup>; :6<3/3; 0
- LGfiGM<sup>L</sup>0<sup>3</sup>; :7d<E<sup>q</sup>p<sup>t</sup>kd<sup>w</sup>vkq<sup>p</sup>v<sup>q</sup>v<sup>j</sup>g<sup>m</sup>p<sup>q</sup>y<sup>ng</sup>f<sup>i</sup>g<sup>q</sup>h<sup>c</sup>pg<sup>y</sup>u<sup>w</sup>dv<sup>tk</sup>d<sup>g</sup>V<sup>tk</sup>e<sup>j</sup>q<sup>r</sup>u<sup>{ej</sup>q<sup>fk</sup>pc<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>htq<sup>o</sup>E<sup>l</sup>g<sup>e</sup>j<sup>q</sup>un<sup>q</sup>x<sup>c</sup>mkc<sup>l</sup>C<sup>evc</sup><sup>O</sup>w<sup>l</sup>0<sup>P</sup>cv<sup>l</sup>R<sup>tc</sup>i<sup>g</sup>."62D<sup>\*3</sup>; :6<87/; 40
- LGfiGM<sup>L</sup>0<sup>3</sup>; :7e<V<sup>j</sup>t<sup>g</sup>g<sup>pg</sup>y<sup>ur</sup>gekgu<sup>q</sup>h<sup>o</sup>q<sup>v</sup>j<sup>l</sup>kgu<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>htq<sup>o</sup>v<sup>j</sup>g<sup>R</sup>nc<sup>g</sup>tc<sup>ve</sup>l<sup>tg</sup>i<sup>k</sup>q<sup>l</sup>Acta Ent. Bohemoslov.."4<6; /7; 0
- LGfiGM<sup>L</sup>0<sup>3</sup>; :7f< [ru{f<sup>q</sup>ej<sup>c</sup>ug<sup>k</sup>i<sup>g</sup>tc<sup>\*V</sup>qp<sup>0</sup>cp<sup>f</sup>E<sup>q</sup>rt<sup>q</sup>ru<sup>{ej</sup>q<sup>f</sup>c<sup>dt</sup>g<sup>x</sup>ek<sup>e</sup>tp<sup>ku</sup>\*V<sup>qp</sup>0<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>pg<sup>y</sup>v<sup>q</sup>E<sup>l</sup>g<sup>e</sup>j<sup>q</sup>un<sup>q</sup>x<sup>c</sup>mkc<sup>l</sup>kp<sup>Z</sup>bor. Organizmy a prostredie."R<sup>g</sup>f<sup>c</sup>i<sup>0</sup>h<sup>cm</sup>l."P<sup>l</sup>vtc."rr<sup>463</sup>/476<sup>E</sup>l<sup>g</sup>e<sup>j</sup>cp<sup>f</sup>T<sup>w</sup>u<sup>u</sup>ck<sup>p</sup>u<sup>w</sup>o<sup>0</sup>h<sup>0</sup>
- LGfiGM<sup>L</sup>0<sup>3</sup>; :8c<T<sup>g</sup>x<sup>k</sup>uk<sup>q</sup>q<sup>h</sup>R<sup>g</sup>tk<sup>e</sup>q<sup>o</sup>c<sup>ew</sup>o<sup>k</sup>pc<sup>vc</sup>U<sup>v</sup>t<sup>q</sup>dn<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>y<sup>kv</sup>j<sup>f</sup>g<sup>uet</sup>kr<sup>v</sup>q<sup>p</sup>qh<sup>c</sup>pg<sup>y</sup>ur<sup>g</sup>ek<sup>g</sup>u<sup>q</sup>h<sup>M</sup>ev<sup>c</sup>o<sup>q</sup>to<sup>ke</sup>ht<sup>q</sup>o<sup>C</sup>w<sup>u</sup>tk<sup>l</sup>Acta Ent. Bohemoslov.."5<96/; 20
- LGfiGM<sup>L</sup>0<sup>3</sup>; :8d<O<sup>q</sup>t<sup>o</sup>kk<sup>p</sup>.R<sup>ct</sup>o<sup>q</sup>t<sup>o</sup>kk<sup>p</sup>c<sup>Ru</sup>{ej<sup>q</sup>fk<sup>p</sup>\*F<sup>kr</sup>v<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>|<sup>q</sup>m<sup>q</sup>m<sup>l</sup> gum<sup>ej</sup>D<sup>w</sup>f<sup>l</sup>qx<sup>ke</sup>l<sup>0</sup>Q<sup>o</sup>t<sup>o</sup>kk<sup>p</sup>.R<sup>ct</sup>o<sup>q</sup>t<sup>o</sup>kk<sup>p</sup>cp<sup>f</sup>Ru{ej<sup>q</sup>fk<sup>p</sup>\*F<sup>kr</sup>v<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+</sup>kp<sup>gum</sup>2<sup>D</sup>w<sup>f</sup>l<sup>q</sup>x<sup>ke</sup>g<sup>f</sup>ku<sup>v</sup>l<sup>0</sup>kp<sup>Q</sup>N<sup>GL</sup>P<sup>GM</sup>L<sup>0</sup> ("UR<sup>KV</sup>GT<sup>M</sup>0<sup>0</sup>\*g<sup>f</sup>u<F<sup>kr</sup>v<sup>g</sup>tc<sup>q</sup>q<sup>i</sup>kec<sup>D</sup>qj<sup>g</sup>o<sup>q</sup>un<sup>q</sup>x<sup>c</sup>ec."X<sup>q</sup>l<sup>0</sup>6<sup>0</sup>U<sup>d</sup>q<sup>l</sup>L<sup>k</sup>j<sup>g</sup>g<sup>u</sup>l<sup>Ow</sup>/0<sup>x</sup>g<sup>u</sup>l<sup>Dw</sup>f<sup>l</sup>qx<sup>ke</sup>fej<sup>R</sup>f<sup>l</sup>0<sup>X</sup>ff<sup>l</sup>.r<sup>r</sup>l<sup>0</sup>; 7/; ;\*<sup>k</sup>p<sup>E</sup>l<sup>g</sup>ej<sup>+</sup>G<sup>p</sup>i<sup>n</sup>ku<sup>j</sup>u<sup>w</sup>o<sup>0</sup>h<sup>0</sup>
- LGfiGM<sup>L</sup>0<sup>3</sup>; :9<L<sup>w</sup>p<sup>i</sup>kg<sup>m</sup>c<sup>j</sup>{i<sup>q</sup>r<sup>j</sup>kn<sup>c</sup>u<sup>r</sup>l<sup>0</sup>p<sup>0</sup>\*F<sup>kr</sup>v<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>l</sup>.R<sup>ct</sup>o<sup>q</sup>t<sup>o</sup>kk<sup>p</sup>y<sup>kv</sup>j<sup>t</sup>g<sup>f</sup>g<sup>uet</sup>kr<sup>v</sup>q<sup>p</sup>u<sup>q</sup>h<sup>E</sup>l<sup>g</sup>e<sup>j</sup>q<sup>un</sup>q<sup>x</sup>c<sup>m</sup>ur<sup>g</sup>ek<sup>g</sup>u<sup>q</sup>h<sup>L</sup>w<sup>p</sup>i<sup>kg</sup>m<sup>c</sup>u<sup>l</sup>u<sup>v</sup>l<sup>0</sup>C<sup>evc</sup><sup>G</sup>p<sup>l</sup>0<sup>O</sup>w<sup>l</sup>0<sup>P</sup>cv<sup>l</sup>R<sup>tc</sup>i<sup>g</sup>."64<429/4450
- LGfiGM<sup>L</sup>0<sup>3</sup>; :<E<sup>q</sup>p<sup>t</sup>kd<sup>w</sup>vkq<sup>p</sup>v<sup>q</sup>v<sup>j</sup>g<sup>v</sup>cz<sup>q</sup>pp<sup>o</sup>{ "qh<sup>v</sup>j<sup>g</sup>i<sup>g</sup>gp<sup>w</sup>u<sup>V</sup>gn<sup>o</sup>cv<sup>q</sup>ue<sup>q</sup>r<sup>w</sup>u<sup>G</sup>cv<sup>l</sup>0<sup>\*F</sup>krv<sup>g</sup>tc."Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>Acta Mus. Nat. Pragae<sup>\*D</sup>+."66<sup>3</sup>; :<97/3260
- LGfiGM<sup>L</sup>0<sup>3</sup>; :2c<T<sup>g</sup>f<sup>g</sup>uet<sup>kr</sup>v<sup>q</sup>u<sup>q</sup>h<sup>p</sup>kg<sup>pg</sup>eq<sup>o</sup>o<sup>q</sup>p<sup>R</sup>nc<sup>g</sup>tc<sup>ve</sup>l<sup>cp</sup>f<sup>J</sup>q<sup>nc</sup>tc<sup>ve</sup>l<sup>ur</sup>gekgu<sup>q</sup>h<sup>Ru</sup>{ej<sup>q</sup>fk<sup>p</sup>G<sup>p</sup>l<sup>\*F</sup>krv<sup>g</sup>tc< Ru{ej<sup>q</sup>fkf<sup>c</sup>g<sup>+0</sup>C<sup>evc</sup><sup>G</sup>p<sup>l</sup>0<sup>O</sup>w<sup>l</sup>0<sup>P</sup>cv<sup>l</sup>R<sup>tc</sup>i<sup>g</sup>."65<55/; 50

LGfiGM'L0'3 ; ; 2d<Eapptkdwkqp'v'q'j'v'czppq o' ('qh'uq o g' i' gpgtc'qh'Rctc o qt o kkp'g o qv'j' 'I'kgu\*'Fkrvgtc<Ru{ejqf'kfcg+'y'kv'j' 'fguetkrv'kqp'q'h'c'p'gy' 'i' gpwu'Mctcmq'xw'pk o gtwu'0'Ceve'Gp'0'0'w'0'P'c'v'0'R'tc'ic'g.'65<34 ; /3790

LGfiGM'L0'3 ; ; 4<Ukdgtkcp' o qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'o'p'gy' 'h'cwplukve'tgeqtfu'0' 'cu'0'P' a'0'0'w'0'0.' 'c'f'c'R' 'ftqf'q'x'0.'382<85/860

LGfiGM'L0'3 ; ; 6<P'q'gu'q'p' 'h'cwplukve't'guc'g'e'j' 'q'h' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'q'h' 'V'c'v'te' 'O'w'0'0'k'p<L'G'F'N'K' 'M'C'N'0.' 'T'Q' \ 'M'Q'0'P' 'T'0' (' 'X'C' 'J' 'C' 'T' 'C' 'L'0' \*g'f'u+<'D'ip'te'r'o'l'o'g'ic'a' B'o'h'e'm'o's'l'o'v'a'c'a.' 'X'q'u'0'7'0' 'U'n'q'x'd'0'G'p'0'U'q'e'l.' 'D't'c'k'u'n'c'x'c.' 'r'r'0'57/620

LGfiGM'L0'3 ; ; 7<'Q'ee'uc'k'p'c'a' 'r'c'r'g' 'q'p' 'u'q' o'g' 'k'p'v'g't'g'u'k'p'i' 'R'c'n'c'g'e't'e'v'k'e' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'0'k'p<'D'K'V'W'0' 'M' 'R'0' \*g'f'0+<'D'ip'te'r'o'l'o'g'ic'a' B'o'h'e'm'o's'l'o'v'a'c'a.' 'X'q'u'0'9'0' 'V'g'e'j'p'k'c'n' 'W'p'l'x'0.' \ 'x'q'g'p.' 'r'r'0'7 ; /80

LGfiGM'L0'3 ; ; 8c<'P'g'y' 'h'cwplukve't'geqtfu'q'h' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'h't'q' o' 'v'j'g' 'E' |g'e'j' 'T'g'r'w'd'n'k'e'l' 'cu'0'P' a'0'0' 'M'uz.' 'c'f'c'R' 'ftqf'q'x'0.'387<335/3420

LGfiGM'L0'3 ; ; 8d<'R'u' {e'j'q'f'k'f'c'g' \* 'O'q'v' o' w'il'g'u+' 'r'r'0' ; /3 ; /5.' 425'0' 'K'p<'x'c'p' \ 'W'L'N'G'P' 'L'0' 'Y'0' 'C'0.' 'R'G'G'V'G'T'U' 'V'0' 'O'0' 'L'0.' 'x'c'p' 'Y' 'K'G'N'K'P' 'R'0' 'U'0.' 'x'c'p' 'G'EM' 'C'0' 'R'0' 'Y'0' (' 'D'Q'W'X' [ ' 'G'0' 'J'0' 'O'0' \*g'f'u+<'B'r'a'n'd'-s't'o'f.' 'E'e'n' 'i'n've'n't'a'r'i's'a't'i'e' 'v'a'n' 'd'e' 'e'n't'o'm'o'f'a'u'n'a' 'v'a'n' 'h'e't' 'n'a't'u'r'r'e's'e'r'v'a'a't' '„D'e' 'B'r'a'n'd' ' 'i'n' '1990.' 'K'p'u'g'm'v'p'y'g't'm' 'i' t'q'g'r' 'M'P'P'X' '6' 'c'h'f'g'n'k'p'i' 'V'k'n'd'w't'i.' 'P'g'f'g't'n'c'p'f.'44 : 'r'r' \*k'p' 'F'w'e'j' +0

LGfiGM'L0'3 ; ; 9c<'P'g'y' 'c'p'f' 'k'p'v'g't'g'u'k'p'i' 'v'c'z'c'q'h' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'h't'q' o' 'f'k'h'g't'g'p'v' 'o' q'k'u'v' 'd'k'q'v'g'u'q'h' 'v'j'g' 'R'c'n'c'g'e't'e'v'k'e' 't'g' 'i'k'q'p'0' 'cu'0'P' a'0'0' 'O'w'0'0.' 'c'f'c'R' 'ftqf'q'x'0.'388<327/3440

LGfiGM'L0'3 ; ; 9d<'O'q'v'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'k'p'j'c'd'k'w'p'i' 'R't'c'i'w'g' 'e'k'v' (' 'c'p'f' 'c'f' 'l'c'e'g'p'v' 'n'q'c'n'k'w'g'u' 'y'k'v'j' 'f'g'u'e't'r'v'k'q'p' 'q'h' 'L'x'g' 'p'g'y' 'u'r'g'e'k'g'u'0' 'C'e'v'e' 'G'p'0'0' 'O'w'0'0' 'P'c'v'0' 'R't'c'ic'g.'66\*3 ; ; 7+<348/3870

LGfiGM'L0'3 ; ; c<'E'q' o' g'p'u'v' 'q'p' 'v'g' 'e'q't't'g'e'v' 'i't'c' o' o'c'w'k'e' 'i'g'p'f'g't' 'q'h' 'U' {e'q't'c' 'E'w't'0' 'c'p'f' 'R'j'n'k'q'u'r'g'f'q'p' 'G'c'v'0' \*F'k'r'v'g't'c'< 'R'u' {e'j'q'f'k'f'c'g'+'y'k'v'j' 'y'q'n'f' 'e'c'v'a'q' 'i'w'g.' 'r'r'0' : /5 ; /9'0' 'K'p<'L'G'F'N'K' 'M'C'N'0' \*g'f'0+<'F'k'r'v'g't'q'q' 'i'k'c' 'D'q'j'g' o' q'u'n'q'x'c'c.' 'X'q'u'0' ; /0' 'U'n'q'x'd'0'G'p'0'U'q'e'l.' 'D't'c'k'u'n'c'x'c.'436' 'r'r'0

LGfiGM'L0'3 ; ; d<'R'u' {e'j'q'f'k'f'c'g'0'k'p<'T'Q' \ 'M'Q'0'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' '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'EQ'0' 'F'o'l'ia' 'F'a'c' 'S'c'i' 'N'at' 'U'n'iv' 'M'as'ary'k' 'B'r'u'n.' 'B'iol.' ; ; \*3 ; ; : +<93/990

LGfiGM'L0'3 ; ; e<'O'q'v'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'k'p'j'c'd'k'w'p'i' 'y'g'v'z'v't'g' o'g' 'd'k'q'v'g'g' 'q'h' 'v'j'g' 'U'q'm'q'n'q'x' 'q'r'g'p' 'e'c'u'v' 'e'q'c'n' 'o' 'k'p'g'u' 'c'p'f' 'f'w' o' r'u.' 'y'k'v'j' 'f'g'u'e't'r'v'k'q'p'u' 'q'h' 'v'j'g' 't'g'g' 'p'g'y' 'u'r'g'e'k'g'u' 'h't'q' o' 'v'j'g' 'y'g'u'v'g't'p' 'D'q'j'g' o' k'c'd'0' 'C'e'v'e' 'O'w'0'0' 'P'c'v'0' 'R't'c'ic'g.' 'U'g'0' 'd'.' 'J'k'u'0' 'P'c'v'0.'76\*3 ; ; : +\*5/6+<67/820

LGfiGM'L0'4224<'V'j'g' 'E't'u'v' 'c'ee'q'w'p'v' 'q'h' 'U'n'q'x'g'k'p'c' 'o' qv'j' 'I'kgu\*'Ru{ejqf'kfcg.' 'F'k'r'v'g't'c' +0' 'cu'0'P' a'0'0' 'O'w'0'0.' 'c'f'c'R' 'ftqf'q'x'0.'393< ; /3380

LGfiGM'L0'4225<'P'g'y' 'h'cwplukve' 'f'c'v' 'c'p'f' 'e'j'g'e'm' 'n'k'u'v' 'q'h' 'p'q'p' 'R'j'ng'd'q'v' o' k'p'g' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'h't'q' o' 'v'j'g' 'E' |g'e'j' 'c'p'f' 'U'n'q'x'c'm' 'T'g'r'w'd'n'k'e'l' 'cu'0'P' a'0'0' 'O'w'0'0.' 'c'f'c'R' 'ftqf'q'x'0.'394<343/3540

LGfiGM'L0'4226<'P'g'y' 'c'p'f' 'k'p'v'g't'g'u'k'p'i' ' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'h't'q' o' 'r't'q'v'g'e'v'f' 'c'p'f' 'w'p'f'g't'g'u'k' o' c'v'g'f' 'p'c'w't'e'n' 'c't'g'c'u' 'q'h' 'v'j'g' 'E' |g'e'j' 'T'g'r'w'd'n'k'e'l' 'cu'0'P' a'0'0' 'O'w'0'0.' 'c'f'c'R' 'ftqf'q'x'0.'395<335/34 : 0

LGfiGM'L0'4226d<'P'g'y' 'h'cwplukve' 'f'c'v' 'q'h' 'p'q'p' /r'j'ng'd'q'v' o' k'p'g' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'h't'q' o' 'v'j'g' 'R'c'n'c'g'e't'e'v'k'e' 't'g' 'i'k'q'p'0' 'k'p<'M'W'D' 'M'0'0' (' 'D'C'T'V' 'f' 'M' 'O'0' \*g'f'u+<'F'k'r'v'g't'q'q' 'i'k'c' 'D'q'j'g' o' q'u'n'q'x'c'c.' 'X'q'u'0'330' 'F'o'l'ia' 'F'a'c' 'S'c'i' 'N'at' 'U'n'iv' 'M'as'ary'k' 'B'r'u'n.' 'D'k'q'u'0.'32 ; <363/3730

LGfiGM'L0'4227<'R'u' {e'j'q'f'k'f'c'g.' 'r'r'0'47 ; /483'0' 'K'p<'H'C'T'M'C' 'L'0.' 'M'T' 'f'N' 'F'0' (' '0' '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'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'm'0' 'T'g'f' 'N'k'u'v' 'q'h' 'v'j'g' 't'g'c'v'g'p'g'f' 'u'r'g'e'k'g'u' 'k'p' 'v'j'g' 'E' |g'e'j' 'T'g'r'w'd'n'k'e.' 'k'p'x'g't'e'b'r'a't'e's'0' 'C' 'i'g'p'w't'c' 'q'e'j' 't'c'p' { 'r' 't'q'f' { 'c' 'm't'c'l'k'p' } ' 'T' .R't'c'j'c.'982' 'r'r' \*k'p' 'E' |g'e'j' 'c'p'f' 'G'p' 'i'n'k'u'j' +0

LGfiGM'L0'4228c<'R'u' {e'j'q'f'k'f'c'g' \* 'F'k'r'v'g't'c' +q'h' 'v'j'g' 'L'g'u'g'p'f'm' { 'R't'q'v'g'e'v'f' 'N'c'p'f'u'e'c'g' 'C't'g'c' 'c'p'f' 'k'u'v' 'g'p'x'l't'q'p'u' 'y'k'v'j' 'f'g'u'e't'r'v'k'q'p'u' 'q'h' 'v'j'g' 'p'q'g'y' 'D'g't'f'g'p'k'g'm'c' 'u'r'g'e'k'g'u' 'h't'q' o' 'v'j'g' 'E' |g'e'j' 'T'g'r'w'd'n'k'e'l' 'C'e'v'e' 'G'p'v'0' 'O'w'0'0' 'P'c'v'0' 'R't'c'ic'g.'68<373/3 ; 40

LGfiGM'L0'4228d<'P'g'y' 'h'cwplukve't'geqtfu'q'h' 'o' qv'j' 'I'kgu\*'k'p'g'ev'c' . 'F'k'r'v'g't'c.' 'R'u' {e'j'q'f'k'f'c'g+'h't'q' o' 'U'n'q'x'c'm'k'0' 'E'nt'o'm' . 'C'a'r'c'v'j'0.'3 : <56/580

LGfiGM'L0'4228e<'R'u' {e'j'q'f'k'f'c'g' 'P'g'y' o'c'p.' 3 : 56'0' 'K'p<'L'G'F'N'K' 'M'C'N'0.' 'U'V'N'Q'W'M'C'N'Q'X'f' 'X'0' (' 'M'—'F'G'N'C' 'O'0' \*g'f'u+<' 'C'h'e'c'k'l'i's't' 'o'f' 'D'i'p't'e'r'a' 'o'f' 't'he' 'C'z'e'c'h' 'R'e'p'u'b'l'ic' 'a'n'd' 'S'l'o'v'a'k'ia'. 'G'g'e'v't'a'p'k'e' 'x'g't'u'k'q'p' 3'0' 'j'w'r' <| | 'q'q'q'q' | {0' 'h'p'u'b'w'p'k'd'e'l' 'u'm'l' 'f'k'r'v'g't'c' 'c'p'f' 'E'F' /T'Q'0' \*K'U'D'P' : /2 ; /8 ; 84 ; /2/8+0

LGfiGM'L0'4228f<'P'g'y' 'h'cwplukve't'geqtfu'q'h' 'o' qv'j' 'I'kgu\*'k'p'g'ev'c' . 'F'k'r'v'g't'c.' 'R'u' {e'j'q'f'k'f'c'g+'h't'q' o' 'v'j'g' 'E' |g'e'j' 'T'g'r'w'd'n'k'e' 'c'p'f' 'U'n'q'x'c' /m'k'c'0' 'k'p<'M'K'P'M'Q'T'Q'X'f' 'L'0' \*g'f'0+<'F'k'r'v'g't'q'q' 'i'k'c' 'D'q'j'g' o' q'u'n'q'x'c'c.' 'X'q'u'0'350' 'C'e'v'e' 'W'p'l'x'0' 'E'c't'q'u'0.' 'D'k'q'u'0.'72<35 ; /3630

LGfiGM'L0'4229<'P'g'y' 't'g'e'q't'f'u'q'h' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'h't'q' o' 'R'q'nc'p'f' 'y'k'v'j' 'f'g'u'e't'r'v'k'q'p' 'q'h' 'C'ru' {e'j'c' 'i'g'p'0' 'p'q'x'0' 'A'c't'a' 'Z'o'o'l' 'U'n'iv' 'C'o'm'e'n.'69\*4<65/7 : 0

LGfiGM'L0' (' 'D'T'C'V'G'T'O'C'P' |0'4228<'P'q'p' /d'k'w'p'i' ' 'o' qv'j' 'I'kgu\*'Fkrvgtc.'Ru{ejqf'kfcg+'q'h' 'k'u't'c'g'0' 'k'p<'M'K'P'M'Q'T'Q'X'f' 'L'0' \*g'f'0+<'F'k'r'v'g't'q'q' 'i'k'c' 'D'q'j'g' o' q'u'n'q'x'c'c.' 'X'q'u'0'350' 'C'e'v'e' 'W'p'l'x'0' 'E'c't'q'u'0.' 'D'k'q'u'0.'72<79/820

LGfiGM'L0' (' 'I'Q'W'V'P'G'T' 'X'0'3 ; ; 5<'V'g'n' o' c'v'q'ue'q'r'u'v' 'v'g't'c'u'r'k'e'w'c'w'u' 'u'r'0' 'p'0' 'c'p'f' 'R'e'c't'l'w'p' 'i'k'g'm'c' 'u'g't'd'k'c' 'e'q' o' d'0' 'p'0' \*F'k'r'v'g't'c'< 'R'u' {e'j'q'f'k'f'c'g+'h't'q' o' 'I' 't'g'g'e'g'0' 'H'q'k'c' 'J'g'f'q'x'0.'3<'8 : /970

LGfiGM'L0' (' 'I'Q'W'V'P'G'T' 'X'0'3 ; ; 7<'R'u' {e'j'q'f'k'f'c'g' \* 'F'k'r'v'g't'c' +q'h' 'I' 't'g'g'e'g'0' 'C'e'v'e' 'O'w'0'0' 'P'c'v'0' 'R't'c'ic'g.'72D\*3 ; ; 6+<329/3460

LGfiGM'L0' (' 'J' 'f' 'L'G'M'L'0'4229<'R'u' {e'j'q'f'k'f'c'g' \* 'F'k'r'v'g't'c' +q'h' 'v'j'g' 'Q't'm'e'm'2' 'j'q't' { 'R't'q'v'g'e'v'f' 'N'c'p'f'u'e'c'g' 'C't'g'c' 'c'p'f' 'p'g'k' 'i'j' 'd'q'w't'k'p'i' 'c't'g'c'u' 'y'k'v'j' 'f'g'u'e't'r'v'k'q'p'u' 'q'h' 'v'j'g' 'p'g'y' 'u'r'g'e'k'g'u' 'h't'q' o' 'v'j'g' 'E' |g'e'j' 'T'g'r'w'd'n'k'e'l' 'A'c't'a' 'E'nt' . 'M'us' . 'N'at' . 'P'r'a'g'a'e'.69<459/4 : 70

LGfGM<sup>L0</sup>. "MWD<sup>M</sup>"<sup>M0</sup> ("DCTV f M<sup>O</sup>"<sup>O0</sup>4227<Ru{ejqfkkfcg."r r0<sup>9</sup>: / 70<sup>Kp</sup>"DCTV f M<sup>O</sup>"<sup>O0</sup> ("MWD<sup>M</sup>"<sup>M0</sup>\*g fu<"*Diptera qh*"*Rqf* / *I<sup>P</sup>Pcvkqpcn*"*Rctm*"*cpf*"*kvu*"*gpxktqpu*" gum<sup>a</sup> | g o f num<sup>a</sup> "wpkxgt | kvc<sup>x</sup>"*Rtc* | g. 654<sup>r</sup> r0

LGfGM<sup>L0</sup> ("QOGNMQX f<sup>O</sup>"<sup>O0</sup>4229<sup>P</sup>gy\*kpugevc." Fkrvgtc."Ru{ejqfkkfcg+"htq o"vjg" E|gej" Tgrwdnke"cpf"Unqxcmk0"Ru{ejqfkkfcg0"Acta Zool. Univ. Comen. 69<sup>a</sup>4<36: /3730

LGfGM<sup>L0</sup> ("UEJCEJ V<sup>Y</sup>"<sup>Y0</sup>4228<Oqj" fkgu"htq o" Dcxctk<sup>\*</sup> Fkrvgtc."Ru{ejqfkkfcg+0"Entomofauna."49<sup>5</sup>: +<699/6: 60

LGfGM<sup>L0</sup> ("xcp" JCTVGP<sup>C0</sup>"<sup>O0</sup>4227<Hwtvjgt"pgy"vczc"cpf"nkvnv/mpqy p"urgekgu"qh"pqp/dkvpki" o qvj" fkgu<sup>\*</sup> Fkrvgtc." Ru{ejqfkkfcg+"htq o" [g o gp0"Acta Ent. Mus. Nat. Pragae."67<3: ; /4420

LGfGM<sup>L0</sup> ("xcp" JCTVGP<sup>C0</sup>"<sup>O0</sup>4222<Qftgf" Fkrvgtc."hc o kn0"Ru{ejqfkkfcg0"Uwdhc o kn0"Ru{ejqfkkfcg<sup>\*</sup>ppp/dkvpki" o qvj" fkgu+0"Arthropod fauna of the UAE."4<sup>\*</sup>kp"rtguu+0

LGfGM<sup>L0</sup> ("|C EK" 0<sup>4</sup>227<Eq o o qp"pqp/dkvpki" o qvj" fkgu<sup>\*</sup>kpugevc." Fkrvgtc."Ru{ejqfkkfcg+"pgy"vq"vjg"hcwpc"qh" Vwtmg0" Cevc"Rctcukvq0"Vvte0."4; <3: : /3: 40

LWP I<sup>J</sup>"<sup>J0</sup>H0<sup>3</sup>; 78<Dgkvt0"ig" |wt" Dkqnikg."Oqtr j qnikg"wpf"U{uvg o cvkm" fg" gwtqr0"kwiejgp"Ru{ejqfkkfcg<sup>\*</sup> Fkrvgtc+0" Deutsch. ent. Z."5<: 9/4790

MTGM<sup>U0</sup>3: ; 9<Fxlkg"paxg"En{vqegt w0"o xtuyg"kl" Lwi quncxklg<sup>\*</sup>Ru{ejqfkkfcg."Ru{ejqfkkfcg+0<sup>\*</sup>Vy q"pgy"urgekgu"qh"vjg" En{vqegt w0"htq o" [wi quncxk<sup>\*</sup>Ru{ejqfkkfcg."Ru{ejqfkkfcg+0" Incud0" \g o cnd0"Ow/0" Dqupk<sup>\*</sup> Jgtej i xkpg w"Uctclgxw." Rtk0" Pcwmg." Ppxc"Ugl0."47/48<sup>\*</sup>3: ; 8/3: ; 9<3: ; 7/422<sup>\*</sup>kp"Ugtdq/Etqckcp."Gpinukj"uw o o0+0

OCEGM<sup>L0</sup>. "E J XQLMC<sup>R0</sup>" ("LGfGM<sup>L0</sup>"<sup>O0</sup>4227<32<sup>ngv</sup>gpvq o qnikem<sup>2</sup> j q<sup>x</sup> |mw o w<sup>x</sup>"E J M Q<sup>T</sup>Qnkem<sup>2</sup> j qt {<sup>\*</sup>3: ; 6/4226+0" Jvgp" gctu"qh"gpvq o qnik i keca"tugcetej"kp"vjg"Qnkem<sup>2</sup> j qt {RNC<sup>\*</sup>3: ; 6/4226+0" Rcpqtc o c." Fqdt<sup>\*</sup>35<327/334<sup>\*</sup>kp" E|gej" q0

RTWPGT<sup>N0</sup> ("O<sup>MC</sup>"<sup>R0</sup>3: ; 8<Ug|pc o" qde" c"lgkij" a<sup>w</sup> f<sup>x</sup>" gum<sup>2</sup> tgrwdnke"u" f<sup>un</sup> {"o crqx ej" r qm" rtq" u" qx<sup>2</sup> o crqx a<sup>p</sup> hcwp {0<sup>\*</sup> Nkuv"qh"ugvng o gpv"kp"vjg" E|gej" Tgrwdnke" ykvj" cuuqckevg f" o cr<sup>L</sup>gn" eqfgu"ht" hcwpkuvke" i tkf" o cr rpi" u{uvg o +0" Klapalekiana."54<sup>\*</sup>Uwr rnl0<3/337<sup>\*</sup>kp" E|gej." Gpinukj" uw o o0+0

SWCVG<sup>N0</sup> Y0<sup>3</sup>; 77<C<sup>T</sup>gxikup"qh"vjg"Ru{ejqfkkfcg<sup>\*</sup> Fkrvgtc+"kp" C o gtkcc"pqt vj" qh" Ogzkeq0" Wpkd0" Ecnk0" Rwdn0" Gpv0." 32<325/4950

UCNOGNC<sup>L0</sup> 422: <Ug o kcs wvke" | f<sup>\*</sup> Fkrvgtc." Pg o cvqegtc+"hcwpc"qh"hgpu."ur tkp i u." jgc f y cvgt" uvtgc o u" cpf" cnr kpg" y gnc p f u" kp"vjg" pqt vjgt p" dqtgc n" gegt g i kq p." Hkncp f0" W-album."8<5/850

<sup>M</sup>GX<sup>M</sup> L0" 4228< Fkrvgtc" cuuqckevg f" ykvj" hwp i k" p"vjg" E|gej" cp f" Unqxc m" Tgrwdnkeul0" cul0" Ung/0" Ow/0" Qrcxc<sup>\*</sup> C.+ 77."Uwr rnl0"4<3: /60

XCXKNNC PV<sup>H0</sup>3; 93/3; ; 5<Ru{ejqfkkfcg" 0" Ru{ejqfkkfcg0" Kp< NkP FPGT" G0<sup>\*</sup>g f0<" Die Fliegen der palaearktischen Region. Uvwwi ctv."; f<3/57: 0

XCXKNNC PV<sup>H0</sup>3; 95< S wgnswgu"kpugevgu" fgrv<sup>3</sup> tgu." c" nctxgu" cswcwkswgu." fw" rcte" fg" nc" Xcpqkug0" Trav. Sci. Parc. Nat. Xcpqkug."5<355/3870

XCXKNNC PV<sup>H0</sup>3; ; : <Eqptkdwkqpc" c" nlgwfwg" fgu" Ru{ejqfkkfcg" o {eqdkqpvgu<sup>\*</sup> Fkrv0+0" Bull. Soc. Ent. Fr0." ; 5<sup>\*</sup>7/8< 3: 3/3; 30

XQPK MC<sup>R0</sup> 422: <Gpvq o qnikem "x |mw o Lk|gtum ej" jqt" c" Ht fncpvmc<sup>x</sup> ngvgej" 4222/4229<sup>0</sup> Gpvq o qnik i keca" uwtxg { " qh"vjg" Lk|gtum<sup>2</sup> j qt { "Ovu"cpf" Ht fncpvmc"tg i kq p"kp" 4222/4229+0" Udqtp0" Ugxgtg gud0" Ow/0. "R f0" X ff." Nkdgtge."48< 5/34<sup>\*</sup>kp" E|gej." Gpinukj" uw o o0+0

XQPK MC<sup>R0</sup> ("XK<sup>M</sup> f M<sup>T0</sup>"<sup>O0</sup>422: <" a<sup>m</sup> mcfp" e jctcmvgtkuvkmc" |mqwo cp<sup>2</sup> j q" A|g o f" Lk|gtum ej" jqt" c" Ht fncpvmc0<sup>\*</sup> I gptcn" e jctcevgtkuvke" qh"vjg" uww f { "ctgc"kp"vjg" Lk|gtum<sup>2</sup> j qt { "Ovu"cpf" Ht fncpvmc"tg i kq p+0" Udqtp0" Ugxgtg gud0" Ow/0. "R f0" X ff." Nkdgtge."48<35/55<sup>\*</sup>kp" E|gej." Gpinukj" uw o o0+0

YCI PGT<sup>T0</sup>3: ; 2<Hc o kn0" Ru{ejqfkkfcg." r r0<sup>33/870</sup> Kp< UQ<sup>~</sup> U<sup>C0</sup> \*g f0<" Ecvncq i wg" qh" Rncncgtcvke" Fkrvgtc." Xqn0" 40" Psychodidae – Chironomidae. Cmc f0" o kck" Mckfj." Dwfrcgvu."6; ; r r0

YCI PGT<sup>T0</sup> 4229< Ru{ejqfkkfcg0" Kp< LQP I<sup>J</sup>"<sup>O0</sup> FG<sup>\*</sup>g f0<" Fauna Europea: Diptera Nematocera. Xgtukqp" 3040" Cxckncdng" qpnkpg" cv" jwr< lly y y0 hcwpcgw0" lti<sup>\*</sup> ncu" wr fcvg" qp" 3: (kx0) 4229+0

YCI PGT<sup>T0</sup> ("PKGUKQ/ QY UMK<sup>U0</sup>3: ; 8<Ru{ejqfkkfcg<sup>\*</sup> Fkrvgtc." Pg o cvqegtc+"hcwpc"qh"hgpu"ur tkp i u." jgc f y cvgt" uvtgc o u" cpf" cnr kpg" y gnc p f u" kp"vjg" pqt vjgt p" dqtgc n" gegt g i kq p." Hkncp f0" W-album."8<5/850

YKV JGTU<sup>R0</sup> 4227< Pgy"tgeqtfu"qh"Ru{ejqfkkfcg<sup>\*</sup> Fkrvgtc+"htq" U y kvj" gtn c p f0" Tgd0" Uwkug" \ qm0." 334<3: 5/3: : 0

UWO OCT [

Cnvq i gvjgt<sup>9</sup>: "urgekgu<sup>\*</sup> kpen0" qpg" uwdurgekgu" qh" o qvj" fkgu<sup>\*</sup> Ru{ejqfkkfcg+" ygtg" hcwpc" kp"vjg" Lk|gtum<sup>2</sup> j qt { "Ovu"cpf"vjg"cf lcegpv" Ht fncpvmc"tg i kq p"kp" 422264229<sup>\*</sup> o ckpn { "Ru{ejqfkkfcg." ykvj" qpn { "vyq"urgekgu"qh" U {eqtckepc+0" V jku"pw o dgt" o cmgu" wr" cr r t qz k o cvgn { "75 " qh" ru{ejqfkkfcg" urgekgu" qeewt tkp i" kp"vjg" E|gej" Tgrwdnke<sup>\*</sup> Lgflgm" 4228e" w"

Vy q"urgekgu"ctg"pgy"htq"vjg"hcwpc"qh" Dqj g o k< Berdeniella kocii htq o "Tglfkeg" ]85\_ "cpf" B. pyrenaica htq o "Mq gpqx" ]54\_=" o qtgqxgt." Saraiella rotunda htq o "Vqthq y kumq" Oef { umkg"

J96\_"ku"pg y "hqt"Rqncpf0"Rctcv{ rwu"\*qpg" o cng+"qh" *Ulomyia vaseki*" y cu"eqmgevfg" d {"R0"Newvgtgt" kp"vjg"xkekpkv{"qh"Lk|gtmc"}J52\_0"Qpg"pg y"pc o g"eq o dkpvcvkp"ku" i kxgp<"*Psychomora mycophila* \*Xckmncpv."3 ; : "+"eq o d0"p0."cpf"kvu"u{"pqp{ o "P. vanharai" Lgflgm."3 ; ; 7"ku"tgeq i pk|gf0"Vjg"pg y" i gpgtke" rqukvkqp"qh"vjku"urgekgu"eqttgurqpfu" y kvj"vjg"mg{"vq"vjg" y qtnf" i gpgtc"qh"Ru{"ejqfkk" \*Lgflgm" ( "xcp" J ctvpg"4227."ugg"cnuq"Lgflgm"4229"hqt"cf fkvkqpcn"fcvc+0"

Vjg" o qv j" ĩku"qh"vjg"uvwf{"ctgc"tgrtgugpv" o qpvcpg"vczc"cu" y gnm"cu"Uwd/Og fkvgttcpgcp" cpf"Vtcpuwecucup"ngg o gpvu."dgpki" o quvn{"c"eq o dkpvcvkp"qh"Gwtqrgcp."Gwtqrgcp"o" Yguv/Ukdgtkcp."Gwtcukcp."Rncgcctevke."J qnctevke"cpf"equ o qrqnkvcp"urgekgu0"Oquv"qh"vjg"uvwfkgf" o qv j" ĩku"ctg" i gpgtcmm{"Gwtqrgcp"kp" fkvtkdvwkqp"\*69"urgekgu."8202 ' +."uq o g"ctg"mpq y p"qpn{"htq o" Egpvtcn"Gwtqrg"ugxgp"urgekgu."k0g0 ; 02 ' 0+0"Vjg{"ctg"hqnmq y gf" d {"ukz"Gwtqrgcp"o" Yguv/Ukdg/ tkcp"urgekgu"\*90 ' +."v y q" Gwtq/Vtcpuwecucup"\*408 ' +."v y q"Uwd/Og fkvgttcpgcp"\*408 ' +."qpg" Gwtcukcp"\*305 ' +."vj tgg"Rncgcctevke"\*50 ; ' +."ugxgp" J qnctevke"\* ; 02 ' + "cpf"vj tgg"equ o qrqnkvcp" urgekgu"\*50 ; ' +0

Vy gpv{"pkpg"urgekgu"hwppf"kp"vjg"uvwf{"ctgc" y gtg"kpennwfgf"kp"vjg" Tgf"nkuv"qh"E|ge j" kpxgt/ vgdtcvgu" \*Lgflgm"4227+0"V y gnxg"urgekgu" y gtg"encuukŁgf"cu"etkvecmn{"gpfcpi gtgf"\**Sycorax tonnoiri*." *Oomormia andrenipes*." *Parajungiella ellisi*." *P. pseudolongicornis*." *P. serbica*." *Psychmera intergella*." *Philosepedon balkanicum*." *Clytocyclus rivosus*." *Saraiella rotunda*." *Szaboiella hibernica*." *Tonnoiriella nigricauda*" cpf" *Ulomyia plumata*+="ugxgp"urgekgu"cu" gpfcpi gtgf" \**Promormia eatoni*." *Telmatoscopus labeculosus*." *Pericoma rivularis*." *Pneumia crispi*." *P. cubitospinosa*." *P. stammeri*" cpf" *Ulomyia vaseki*+="hqt"urgekgu"cu" xwnpgtedng" \**Parajungiella prikryli*." *Philosepedon hrudkai*." *Threticus sylvaticus*" cpf" *Berdeniella chvojikai*+0"Vjg"eqpugtxcvkp"uvvuw"eqwnf" pqr"dg"cuuguugf" hqt"vjg"hqnmq y kpi"vczc"\*eq o rctg" Lgflgm"4227+<"*Psychoda alticola*." *Psychodocha itoco*." *Berdeniella kocii*." *B. pyrenaica*." *Clytocyclus longicorniculatus*" cpf" *C. splendidus*0

*Pneumia trivialis* y cu"vjg" o quv"htgswgpnv{"eqmgevfg"urgekgu"kp"vjg"uvwf{"ctgc"\*83"nqecnk/ vkgu+."hqnmq y gf" d {"*Ulomyia fuliginosa* cpf" *Pneumia mutua* \*68"nqecnkvgu" gcej+=" *Clytocyclus ocellaris* cpf" *Psychoda phalaenoides* y kvj"55"tgeqt fu0"Qp"vjg"qv jgt" j cpf."44"urgekgu" y gtg" eqmgevfg" cv"qpn{"qpg"nqecnkv{"0"Vjg" jki j guv"pw o dgt"qh" ru{"ejqfkk"urgekgu" y cu"hwppf"cv" Tg/ lfkcg"J85\_"cpf" \ncv"Qng-pkeg"J9 ; \_"dqvj"nqecnkvgu" j quvki"4 : "urgekgu."hqnmq y gf" d {"Ogcpft{" Uo f2"PT"}J65\_" y kvj"49"urgekgu."cu" y gnm"cu"vjg"xkekpkv{"qh" Tcurgpccx"J83\_" y kvj"45"urgekgu" cpf"™qne x"t{dpfm"rqp"}J94\_" y kvj"43"urgekgu0" C"ukping" ru{"ejqfkk"urgekgu" y cu"eqmgevfg"cv" 5"nqecnkvgu0"Uq o g"urgekgu"ctg"mpq y p"htq o" c" xgt{"nk o kvgf"ctgc"\*qpn{"c"hg y" eqwvptku+"cpf" ctg" i gpgtcmm{"xgt{"tctg<" *Parajungiella ellisi*." *P. prikryli*." *P. pseudolongicornis*." *P. serbica*." *Philosepedon balkanicum*." *P. hrudkai*." *Threticus sylvaticus*." *Psychoda alticola*." *Psychodocha itoco*." *Psychomora mycophila*." *Berdeniella chvojikai*." *B. kocii*." *B. pyrenaica*." *B. vimmeri*." *Clytocyclus longicorniculatus*." *C. splendidus*." *Pericoma formosa*." *P. rivularis*." *Saraiella rotunda*." *Ulomyia plumata*" cpf" *U. vaseki*." Vjg"hqnmq y kpi"urgekgu" o quvn{"y kvj" cswvke"nctxcg+"ctg" rtdcdn{"ejctcevgtkuvke" hqt" o qpvcpg" jcdkvvuc" *Ru{ejqf c"cnvkeqnc*." *Dgtfpgkmc"mqekk*." *Uctckgmc" rotunda*." *Szaboiella hibernica*." *Pneumia plumicornis*." *Ulomyia plumata*" cpf" *U. vaseki*." Vjg" ncwgt." *Ulomyia vaseki*." tgcjgu"kvu"pqvtj gtp"nk o kv"qh" fkvtkdvwkqp"kp"vjg" Jgte{pkew o"cpf"rcuugu" vj tqw i j"vjg" Ectrcv j kcpu"vq"vjg"Caru0" Ocp{"nqecnkvgu"\*78."k0g0"920 ; ' + "ctg" k o rqtvcpv"htq o"vjg" rgturjevkvxg"qh"pcwvtg"eqpugtxcvkqp0

Vjg" o quv"xcnwdng"nqecnkvgu"ctg" Ogcpft{"Uo f2"PT"}J65\_"cpf" Tglfkcg"J85\_"cu" y gnm"cu" Jqtpf"Rqnwdp" J45\_"Mq gpqx"J54\_"Rncx{"J77\_"Tcurgpccx"J83\_"cpf"™qne x"t{dpfm"rqp"}J94\_" jctdqwtki"urgekgu"htq o"cv"ngcu"vj tgg"tgf"nkuv"ecvgi qtkgu" \*ET."GP."XW+0" Etkvecmn{"gpfcpi gtgf" \*ET+"urgekgu"qeevt"cv"63"nqecnkvgu."qh" y jkej"34"ukvgu" j quv"v y q"ET"vczc"J5."8 ; .34."38."44."46."

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