



12

Deput counts.
Puissey 1993.
Konferenstikov Votakij



o

O

Point counts

Minnogo

7/VI. 70° from village.

(i) 4²²

Scerua caliope - 1s

Parus montanus - 1s

Zooth. dauma - 1s

Phyll. borealis - 1s

Acutis flamma - 1c (→)

(ii) 4³⁸

Zooth. dauma - 1s

Turdus obscurus - 1s

Parus montanus - 2s

Phyll. proregulus - 1s

(iii) 4⁵³

Phyll. proregulus - 2s

Parus montanus - 1s

Scia specios - 1c

Picoides tridactyla - 1tr. 

Zooth. dauma - 1s

Cuculus satyr - 1s

Sitta europae - 1s

(IV)

5⁰⁹

Phyll. proregulus 1s

Parus montanus - 2s

Cerul. saturatus - 1s

Zooth. chana - 1s

Numerous species - 1s

Phyll. proregulus - 2s

Cerul. caesus - 1s

Turdus obscurus - 1 →

(V)

5²⁵

~~Parus montanus~~

Cerulus caesus - 1s

Acanthis flammula - 1e (→)

Parus montanus - 1s

Phyll. proregulus - 1s

Turdus refulgens - 1c

Phyll. pro. 1s

Cerulus saturatus - 1s

Parus montanus - 1s

Turdus refulgens - 1s (the same)

(VI)

5⁴⁴

Parus mont. - (1s + 1e)[±]
Aurulus hodgsoni - 1s
Pyrrhula sp. - 1e (50m?)

Phyll. proregulus - 1s
Parus mont. - 1s
Larva sp. - 1e (→)
Pyrrhula sp. - 2⁺s
Zooth. dauma - 1s
Cuculus caesus - 1s

(VII) 6th

Parus montanus - 1e

Tarsiger cyanurus - 1s
Parus mont. - 1s + 1e
Aurulus godgs. - 1s
Phyll. proregulus - 1s
Zooth. dauma - 1s

(VIII) 6th

Phyll. proregulus - 1s
Tarsiger cyanurus - 1s
Zooth. dauma - 1s
Cuculus caesus - 1s
Cec. satrapus - 1s
Turdus obscurus - 1s
Phyll. proregulus - 1s

(IX) 6²⁷
Phyll. proz. - 1s

Phyll. prozeclus - 1s
Zooth. dauma - 1s
Turdus obscurus - 1s
Tars cyanurus - 1s
Cuculus canorus - 1s
Cuc. saturatus - 1s
Ficedula parva - 1s
Loxia sp. - 1c
Muscicapa caryocata. - 1c?

(X) 6⁴²

Pyth. sp. - 1c
Parus mont. - 2s
Phyll. proz. - 1s
Cuculus canorus - 1s
Dendrocopos major - 1c?
Emberiza rustica - 1s
Zooth. dauma - 1s
Turdus ufricollis - 1s
Sitta europ. - 1c
Acanthis flammica - 1c (->)

- ~~10~~
- 10 (X)
1. 0 (moss 95, leave litter 5, grass < 1)
 2. 0 (m 20, ll 60, g 20)
 3. 0 (m 80, ll 19, g 1)
 4. Picea, 2m (m 50, ll 49, g 1)
 5. Betula, 15m (m 80, ll 18, g 2)
 6. Betula, 9m (m 45, ll 45, g 10)
 7. 0 (- - - -)
 8. Salix, 4m (m 48, ll 48, g 4)
 9. Betula, 5m (m 49, ll 49, g 2)

Canopy: Populus 20 Picea 20
 Betula 20 Pinus sibir 20
 Pinus sylv 20 (Sky 60)

- (18)
1. 0 (m 49 = ll, g 2)
 2. 0 (m 80, Vaccinium 20)
 3. Betula, 7 (m 40 = ll, g 20)
 4. Betula, 6 (m 30, ll 60, g 10)
 5. Bet, 3 (m = ll = g = 33, 3)
 6. Pinus sibir., 3 (g = ll = 40, m 20)

~~grass = Equisetum, fern, Vaccinium and other green small plants~~

7. 0 (u = ll = 48, g 4)
 8. Picea, 2 (u = ll = 40, g 20)
 9. Bet, 4 (-4-4-)

Canopy: Populus, 10 Picea, 30
 Betula, 30 (Sky 50)
 Picea sibir., 30

- VIII 1. 0 (ll 70, u 25, g 5)
 2. Picea, 2 (g 10, u 45 = ll)
 3. 0 (u 80, ll 19, g 1)
 4. 0 (u 85, g 5, ll 10)
 5. Abies, 4 (g 20, ll 80)
 6. 0 (g 10, u 45 = ll)
 7. 0 (g 1, u 10, ll 89)
 8. Abies, 2 (g 5, u = ll = 95/2)
 9. Bet, 17 (ll 80, g 5, u 15)

Canopy: Picea = Bet = Populus = Abies = Pin. sib.
 = 20 (Sky = 30)

- VII 1. 0 (u 80, ll 18, g 2)
 2. 0 (ll 60, u 39, g 1)
 3. 0 (g 2, u = ll = 95/2)
 4. Abies, 4 (u 80, g 2, ll 18)
 5. 0 (g 5, u 50, ll 45)
 6. Picea, 4 (g 10, u = ll = 45)

7. Picea, 5 (g 20, u 10, ll 70)

8. Pinus sib., 3 (g 2, u = ll = 98/2)

9. 0 (g 3, u = ll = 97/2)

Canopy: Picea = Abies = Bet = Pin. sib. = 25
(Sky 50)

(vi) 1. 0 (ll 70, u 29, g 1)

6 2. Picea, 3 (g 10, ll 45, u 45)

3. 0 (g 2, ll = u = 98/2)

4. Bet, 1/5 (g 1, ll = u = 99/2)

5. Pin. sib., 3 (ll 90, g 1, u 9)

6. 0 (g 5, ll = u = 95/2)

7. 0 (-4-4-)

8. 0 (ll 60, u 37, g 3)

9. Picea, 4 (g 10, ll 60, u 30)

Canopy: Picea 30 Pin. sib. 40
Betula 25 Populus 5
(Sky 50)

(v) 1. 0 (ll 80, u 10, g 10)

5 2. Pin. sib., 3 (ll 70, g 30)

3. 0 (g 10, u 40, g 30)

4. 0 (g 10, u 30, ll 60)

5. 0 (g 5, ll 75, u 20)

6. Picea, 4 (g 5, u 70, ll 25)

7. 0 (g², u₃, ll 95)
 8. 0 (ll 80, g 5, u₁₅)
 9. 0 (g 5, ll = u₁ = 95/2)
 Canopy: Picea 23 Picea sib. 50
 Bet 23 Populus 4
 (Sky 60)

(iv) 1. 0 (ll 70, u₃₀, g < 1)
 4 2. 0 (g 1, u₁₅, ll 94)
 3. Picea, 2 (g 5, u₁₅, ll 90)
 4. 0 (---)
 5. 0 (g 1, u₁₂, ll 97)
 6. 0 (g = u₁ = 3, ll 94)
 7. 0 (g = u₁ = 5, ll 90)
 8. 0 (g < 1, water 1, ll 99)
 9. 0 (g 1, water 20, ll 79)
 Canopy: Bet 35 Picea sibir 5
 Picea 60 Sky 60

(v) 1. 0 (g 2, u₁ = ll = 98/2)
 3 2. Betula, 10 (g = u₁ < 1, water 10, ll 90)
 3 Picea, 3 (g 5 = u₁, ll 90)
 4. 0 (g 5 u₁₀ ll 85)
 5. Picea sibiricus, 6 (g 5 = water, u₁ = ll = 45)

- 6. 0 (ll70, u29, g1)
 - 7. Pru. sib, 4 (g11, u15, ll95)
 - 8. Pru. sib, 4 (g2, u12, ll96)
 - 9. 0 (g1, u=ll=99/2)
- Canopy: Bet, 20 Pru. sib, 55
 Picea, 20 Populus, 5

(Sky=50)

- ① 1. 0 (g2, u13, ll95)
- 2. 2. 0 (g2, ll=u=98/2)
- 3. 0 (g5, u20, ll75)
- 4. 0 (g20, u=ll=40)
- 5. 0 (g30, u30, ll40)
- 6. 0 (g5, u20, ll75)
- 7. Bet, 5 (- - - -)
- 8. 0 (g40, ll60)
- 9. 0 (g=u<1, ll100)

Canopy: Pru. sib 60 Bet. 40
 Picea < 1 (Sky 70)

- ① Betula - Picea sylv - Populus ~~for~~ young
- 1 forest with Salix (H 3-5m) + some Picea, Larix.
- 1. 0 (g5, dry ^{+ ll} grass, 95)
- 2. 0 (- - -)
- 3. Betula, 3 (g5, ll+dg95)

4. 0 (g 1, ll + dg 9 3)

5. 0 (-u-u-u)

6. 0 (-u-u-)

7. 0 (-u-u-)

8. Betula, 3/(-u-u-)

9. 0 (-u-u-)

Canopy: Bet 70

Picea 5

Pinus sylv. 15

Salix 5

Populus 5
(Sky 70)

9/VI Flood plain, left bank
a lot of water ($\approx 50-70\%$)

(I) 6²⁴

11	Phyl. borealis - 1s	Zootheca sibirica - 2s Turdus iliraca - 1s Xenus cinerea - 1s Phyll. borealis - 2s Cuculus saturat. - 1s Phyll. collyb. - 2s Cuculus caucasicus - 1s
	Phyll. collyb. - 1s	Turdus pilaris - 1e Crex crex - 1s

(II) 6³⁶

12

		Turdus ill. - 1s Cucul. sat. - 1s Sylv. cur. - 1s 2s Phyll. coll. - 1s Phyll. borealis - 2s Turdus philomelos - 1s ? Picoides tridactyla - 1e
	Phyll. coll. - 1s Pyrrhula sp. - 1e	Cucul. sat. - 1s Cuc. cau. - 1s Callinago gallinago - 1s

(III)

6²¹

Emberiza pusilla - 1s
Phyll. boreal. - 1s

Caprodacus cyathinus - 1s
Cuc. sat. - 2s
Phyll. bor. - 2s
Phyll. coll. - 1s
Zooth. sibirica - 1s
Turd. ussuriensis - 1s
Cuc. cau. - 1s
Turd. ill. - 1s
Tringa ochropus - 1s

13

Ficedula parva - 1s

Sylvia eurroca - 1s
Fringilla montifr. - 1s
Lanius excubitor - 1s

14

(IV)

7⁰⁷

Sturnus sibiricus - 1s
Phyll. trochiloides - 1s

Phyll. trochil. - 1s
Cuc. sat. - 1s
Cuc. cau. - 1s
Pyrrhula sp. - 1s
Turd. ill. - 1s
Zooth. sibirica - 1s
Sylv. eur. - 1s
Corvus corax/cornix - 1s

Callinago gall. - 1s

Phyll. mont. - 1s
Fring. montif. - 1s
Parus montan. - 1s

(V) 7⁴²

15 Turd. ill. - 1s
Fring. montif. - 1s
Phyll. mont. - 1s
Ag. thal. caudatus - 1c

Pyrh. sp. - 1c
Turd. refulg. - 1c
Fring. montif. - 1s
Phyll. boreal. - 2s
Phyll. coll. - 1s
Callin. gallin. - 1s
Phyll. mont. - 1s
Sylv. eur. - 1s
Regulus regulus - 1s

(VI) 7⁴⁷

16 Phyll. mont. - 2s
Eub. pusilla - 1c

Zooth. sibirica - 1s
Turdus illice - 2s
Phyll. borealis - 1s
Eub. pusill. - 1s
Cucul. sat. - 1s
Sylv. eur. - 1s
Phyll. coll. - 1s
Callin. gallin. - 1s
Acanthis flamma - 1c (7)

the pair

Turd. ruficoll. - 2 } Cereul. caurus - 18

(VII) 8²²

Capredacus erythraeus - 18
Phyll. inornatus - 28

17

Phyll. inorn. - 18
Fringilla mont. - 18
Callin. gallin. - 18
Phyll. borealis - 18
Zooth. sibir. - 18
Sylv. curruca - 18
Spirus spicus - 18 (→)
Cereul. sat. - 18
Turd. illiaca - 18

Sterna limudo - 1c
Dendrocopus major - 1 fr.
Turdus ruficoll. - 1c

18

(VIII) 8¹⁵

Phyll. inorn. - 38
Turd. ruficoll. - 1c

Zooth. sibirica - 18
Capredacus erythraeus - 18
Turdus illiaca - 18
Callinago gallin. - 18
Cec. sater. - 18
Fring. montif. - 18
Turdus pilaris - 1c
Turd. ruficollis - 1c

Eub. pusilla - 1/2

Phyll. borealis - 2/3

Xenus cinerea - 1/2

Tringa ochropus - 1/2

(IX)

8³⁰

Phyll. inornat. - 1/2

Ph. inornat. - 1/2

Phyll. bor. - 1/2

Ph. borealis - 1/2

19

Turd. ill. - 2/3

Turd. naevicoll. - ~~1/2~~ 2/3

Capred. erythr. - 1/2

Callu. gall. - 1/2

Fring. montif. - 1/2

Eub. pusill. - 1/2 (50m?)

Cerberiza pusilla - 1/2

Sylv. curv. - 1

Turd. illiaca - 1/2

19

(IX)

grass 45
Populus 45
Picea 1
Salix 45

Bird cherry 10
(Sky 40-50)

grass 30 dry grass 20 ll 35 water 10

- 1. 0
- 2. Salix, 3
- 3. alnus/alnaster, 2
- 4. Bird cherry, 2
- 5. alnus/alnaster, 2

18

(VIII)

Picea 1.5 alnus/alnaster 10 Bird cherry 35
Abies 1.5 Salix 20

- 1. Pie, 12
- 2. 0
- 3. alfal, 2
- 4. Bel, 3
- 5. alfal, 3

17

(VII)

Pie 5 ab 0.5 Sal 20 hel 3 alfal 20
(Sky 30)

- 1. alfal, 2
- 2. Sal, 4
- 3. Sal, 4
- 4. 0
- 5. 0

16

(VI)

Pie 0.5 ab 0.5 Bet 1 Sal 50 hel 18 alfal 30

- 1. 0
- 2. Bel, 2
- 3. alfal, 3
- 4. 0
- 5. alfal, 2

~~** grass (g) = Eq + F + vac + other green small plants~~

15 (v) Pic 0,5 ab 0,5 bet 5 Sal 50 alfal 30 belu, 14
(Sky 20) 1. alfal, 4 3. bet, 4 5. alfal, 3
2. Pic, 3 4. Sal, 2
u 70 (g 10 ll 90), ll 20, g = u = 5

14 (iv) Pic 1 ab 1 bet 10 Sal 28 alfal 50 belu 10
(Sky 20) 1. alfal, 2 3. alfal, 4 5. Sal, 3
2. 0 4. belu, 15
u 90 (g 21, ll 100), ll 8, 6, g 1, u 3

13 (iii) 1. alfal, 4 3. ab, 2 5. alfal, 3
2. alfal, 4 4. alfal, 4
ab 1 Pic 1 bet 5 Sal 45 alfal 45 belu 4 (Sky 20)

g 40 u 10 dg 20 ll 30
12 (i) 1. Sal, 3 3. alfal, 4 5. Sal, 4
2. 0 4. alfal, 2
Sal 40 Pic 11 ab 11 alfal 50 belu 10 (Sky 20)
g 70 ll 25 dg 5

(ii) - 11

13/VI left bank, taiga

(I) 68³⁶ ?

20

	Plegll. prae. - 1s, 60
	Cerc. saten. 1s, 1500
	Cerc. cau. 1s, 2000
	Circel. chrysophrys? 1s, 200
	Autlus godgsoni 1s, 500
<hr/>	
Frag. caout. - 1c (2)	Sit. europ. - 1c, 200
	Muc. cas. 1c, 300

(II) 68⁴⁹ ?

21

Fic. unguis - 1s	Fic. unguis. 1s, 150
Muscicapa sibir - 1s	Cerc. cau. - 1s, 1000-2000
	Plegll. praeq. 1s, 300
	Mus. sibir. - 1s, 100
	Circel. sat. - 1s, 1000
	Pyth. sp. - 1c, 150
	Troth. sibirica 2s, 600
	(Turd. obscur??)
	<hr/>
	Turd. ill. - 1s, 700

③ ~~11~~ 7⁰³ ?

Parus mont. - 1c

22

Par. mont - 1s, 150
1s, 200

Playll. pror. - 1s, 100

Tarsig. cean. - 1s, 200

Sit. europ. - 1c, 200

Cer. sat. - [1s, 4000]

Cer. cau. [1s, 1500]

Fr. uugiuaki [1s, 150]

Turd. obscur. - 1s, 300

Lorio sp 1c, 70, →

Dendroscopus sp (picoides tr.) - 1c, 200

④ ~~11~~ 7⁴⁷ ?

Autl. godgs. - 1s (500?)

23

Par. mont - 1c, 70

Playll. pror - 1s, 100

Fr. montif. - 1s, 200

Sit. europ. - 1c, 150

Cerul. sat. [1s, 1500]

Tur. obscur. [1s, 400]

Pychala sp [1c, 150]

Lorio sp - 1c, 100, →

Parus ater, - 1s, 300

(V) 7³⁷⁷

24

Tars. eyau. - 18,300
 Plegl. proz. 18,150
 Dryocopus wart. - 1c,500
 Loxia sp. - 1c,100, →
 1c,50, →
 1c,150, →
 Frig. mont. - 18,500, →

25

Loxia sp. - 1c,100, →
 Pyrrhula sp. - 1c,200
 Nuc. caryoc. - 18,500
 Parus montanus - 18,500

(VI) 7⁴⁵⁷

Tetrastes borealis - 18

Plegl. moru. - 1c,150
 18,100
 Tars. eyau. - 18,300
 Nuc. car. 1c,300
 Plegl. proz. - 18,500
 Loxia sp. - 1c,100, →
 Loxia sp. - 1c,200, →
 1c,300, →
 Aithya ludgsoni - 18,200

(VII) 7²⁷

Phyll. inorn. - 28

26

Phyll. inorn. - 18, 100

Cer. canorus 18, 500

Tend. ruficollis - 10, 200

Eucheriza chrysophris ? - 18, 100

#

26 (VII) 1. Pop, 20 3. Nar, 4 5. Bet, 15

2. Bet, 10 5. Bet, 4

H 22m Sky 10

Bet 50 P&B 39 Pop 5 Nar 5 Pic 1

ll 60 g 10 m 30

~~bet forest~~
Betula forest
near bur

25 (VI) 1. Nar, 15 3. Pic, 2 5. Bet, 3

2. Bet, 17 4. Pic, 3

H 20 Sky 10

Bet 50 Nar 40 Pic 10

g 30 dg 30 ll 30 m 10

24 (VI) 1. P&B, 2 3. Nar, 20 5.0

2. Nar, 20 4.0

H 25 Sky 20

Nar 20 Bet 8 Pop 20 P&B 1 acafal 1

~~ll 60 g 50 ll 50~~

23 (IV) 1. P&B, 10 3. Bet, 20 5. Bet, 7
2. Bkt, 17 4. Pop, 20
H 25 Sky 20
Pop 38 dar 1K Pic 1 P&B 50 bet 10
g 45 ll 45 u 10

22 (III) 1. alfal, 2 3. Bet, 6 5. Bet, 20
2. dar, 4 4. P&B, 8
H 20 Sky 20
Pop 10 P&B 40 bet 40 dar 5 alfal 5
g 35 u 35 ll 30

21 (II) 1. Bet, 10 3. Bet, 10 5. Bet, 12
2. 0 4. Pic, 3
H 25 Sky 20
dar 30 Pic 5 Bet 30 P&B 5 Pop 25 alfal 5
g 40 dg 10, ll 45, u 5

20 (I) 1. Bet, 7 3. Bet, 6 5. P&B 15
2. Bet, 4 4. 0
H 20 Sky 20
bet 51 Pic 3 P&B 40 alfal 3 dar 3
g 40 dg 20 ll 35 u 5

Island Vampier, ull. Osorno

16/VI

Island Vampier, ~~Salix bushes~~

на лонца убиека на коо мерже Пучеев

и замкови (I-III) (V)

+ Abies forest (VI-VII) and bar between Tursey and (VI-VII)

(I) 6⁵²

Phyll. fuscatus - 18

disc steera - 18

Phyll. coll. - 18, 60

Phyll. fusc - 18

Sterna hirundo - 1e, 500

Narus corax - 1e, 500-1000

Cuc. canorus - 18, 1500

Cuc. sater. - 18, 1500

Corvus ~~caerax~~ sp. - 1e, 100 →

Ember. aureola - 18, 300

Xerops citreus - 18, 500

Corvus corax - 1e, 500

Anas crecca - 1e, 500

27

(ii) 7⁰⁸ Euker. stercoraria - 1s } Xenus cinerea - 1s,300
 Luscinia svecica - 1 pair } 1s,300
 28 Euk. caer - 1s } Phyl. coll. - 1s,200
 Cecid. sat. } 1s,1000
 Cecid. can. } 1s,1000
 Cuc. can. - 1s,500
 Actith. hypel. - 1s,300
 Sterna hirundo - 1e,200
 Euker. aureola - 1s,200
 1s,100

(iii) 7²¹
 Euker. aureol. - 1 pair } Sterna hirundo } 1s,100
 Luscinia svecica - 1s } Xenus cinerea } 1s,70
 29 Phyl. borealis - 1s,100
 Cecid. sat. } 1s,1000
 Cecid. can. } 1s,1000
 Luscinia aureola } 1s,200
 Actithus hypoleuca } 1e,100
 Phyl. collyb. } 1s,200
 Cygnus cygnus - 4+, 300
 Xenus (argu?) - 1s,500
 Sterna hirundo - 1e,100
 Cuc. canorus } 1s,1500

(12) 7³⁶

Phyll. fuscata - 18

30

Ember. aureol. - 18, 100

Phyll. borealis $\frac{18,300}{18,100}$

Phyll. coll. - 18, 100

Nanus montanus - 10, 200

Cygnus cygnus 4^+ , 100

Actith. hyp. - 18, 200

Merula migrans - 1, 70

Actith. hyp. - 18

diotae alba - 60, \rightarrow 10

(13) 7⁴⁷

Disc. suecica - 18 (sou?)

31

Phyll. coll. $\frac{18,100}{18,150}$

Cygn. cygnus 4^+ , 100

Actith. hyp. $\frac{18,150}{18,150}$

Ember. aureol. $\frac{18,300}{18,300}$

Phyll. fuscata $\frac{18,300}{18,300}$

diot. alba $\frac{18,200}{18,200}$

Ember. aureola - 18

Cercul. can. - 18, 500

Corvus sp. - 10, 300

(vi) 8⁰⁴

32

Phyll. coll. [18,70]

[18,150]

Cypripus cygnus [10,200]

Alced. lanarius [18,1500]

Zooth. sibirica - 18,400

Parus ater - 18,300

Sylvia borin - 18,500

Act. th. leypel. [18,600]

(vii) 8²²

33

Fring. montif. - (18 + 100) +

Turd. ill. - 1 pair, con.

Muscicapa sibirica - 1 con

Zooth. sibirica - 18

Fr. montif. - 18,100

Parus ater - 10,70

Turd. ill. - 18,150

Corvus sp. - 18,100

(corone/corax)

Zooth. sibirica - 18,150

Muscicapa sibirica - 18,400

Turd. philomelos - 18,200

Phyll. montif. - 10,100

33 (vi) 1. ab. 15 3. ab. 7 5. 0

7. ab. 12 4. ab. 17

H 25 Sky 10

ab 95 bet 4 alfal 11, Bel 1

g 90 w 5 ll 5

32 (vii) 1. Bel. 4 3. 0 5. Bel. 2

2. Bel. 12 4. 0.

H 20 Sky 20

ab 5 Bel. 67 alfal 1 Sal 27

g 80 ll 20

31 (v) 1. 0 3. Sal. 2 5. 0

2. 0 4. 0

H 3 Sky 60

Sal. 100

g 95 dg 45 w 10

30 (iv) H 25 Sky 90

Sal. 100

g 60 dg 20 soil 20

29 (iii) -4-4-

g 40, soil and stones 20, dg 10, water 30

Abies forest

Salix-Bel
band on the
border of abies
forest with
some abies.

A band
of Salix 10m
wide +
meadow
~~2 bands~~
of Salix 10m
and -4-4 +
meadow +
Salix-Bel band
of Abies forest

-4-4-

28 (11) 1.0 3.0 5. Salix, 2

2. Salix, 2 4.0.

H 2 Sky 70
Salix too

a more thick
band of Salix
to 30m wide?
+ meadow

g 55 dg 35 soil to W5

27 (1) 1.0 3.0 5. Sal, 3

2.0 4 Sal, 2

H 2.5 Sky 50

Salix too

-4-4-

g 1, w 10, soil 89

4

18/11 Right Bank, ~~near~~ ^{near} ~~island~~ ^{near island}
~~Vampur~~ ^{Vampur} Betula forest.

① ⁶ Zooth. sibirica - 18 }
 34 } Anthus godgs - 18, 100
 Fring. mont. fr. - 18, 100
 Cerul. cauc. - 18, 1000
 Phyll. coll. - 18, 70
 Acrocephalus dimet. - 18

② Lusc. cyane - 18 }
 35 } Fr. mont. - 18, 200
 18, 200
 Parus montanus - 18, 150
 Aer. aquator. [18, 200]

③ 36 }
 L. cyane [18, 200]
 Phyll. trochiloides - 18, 100
 Parus montanus - 18, 100?
 Fring. mont. fr. [18, 150] ✓

④ Fring. mont. - 18 }
 37 } Phoeniceus phoenic. - 18, 300
 Fr. mont. fr. - 18, 100

38 (v) Phyll. montanus - 1s + 1c } Phoenic. phoenic [1s, 100]
 Fring. montif. - 1s } Fr. montif. - 1s, 150
 } Cucul. satius - 1s, 1500
 } Sit. europ. - 1c, 30, →

39 (vi) Phyll. mont. - 1s } Parus ater - 1s, 200
 Par. montanus - 1s } Parus montan. - 1s, 100
 } 1s, 300
 } Loxia sp. - 1c, →, 50

40 (vii) Phoenic. phoenic. Fls } Phoenicurus phoenic - 1s, 300
 Sitte europ. - 1c } Phyll. brealis - 1s, 70

41 (viii) } Anthus godqz - 1s, 200
 } Cucul. satius - 1s, 1500
 } Fring. montif. - 1s, 70
 } Phyll. proreg. - 1s, 200
 } Acroptis phoenic - 1c, 100, →
 Accipiter gentilis - 1 } Phoenic. phoenic. [1s, 100]

(X) Fring. montif. fls
 Ant. leus godys fls
 42 Phyll. proreg. fls
 Turd. ruficollis - 1e
 Sitta europ. - 1e

Ant. leus godys - 1s, 150
 Cercul. saktus - 1s, 500

Cuberiza clysoptis - 1s, 150

(X) 43

Phyll. proreg. - 1s, 100
 Cercul. sakt. - 1s, 70
 Turd. obscurus - 1s, 400

Fring. montifringilla fls

43

(X) 1. Bet, 5 3. Ab, 5 5. Bet, 5
 2. Ab, 4 4. Sor, 3
 H 19 Sky 20
 Bet 50 Pop 5 Alb Pie 2 Ab 5 P&B 30 Sor 1
 g 50 w 10 ll 40

(IX) 1. Bet, 4 3. Sor, 3 5. 0
 42 2. Ab, 10 4. 0
 H 18 Sky 10
 Bet 55 P&B 35 Pie 2 Sor 2 Ab 6
 g 45 ll 50 w 5

41 (VIII) 1.0 3. Bet, 10 5. Bet, 7
2. Bet, 12 4. Bet, 10
H₂O Sky 10
Alt 89 Pop 10 Sort Alk 1
g₇₀ dg 5 ll 25

40 (VII) 1. Bet, 9 3. Bet, 4 5. Pop, 12
2.0. 4. Bet, 15
H₂O Sky 10

7 Bet 85 Pyc 1 Alk 2 P₈₆ 5 Pop 5 Sort 1 Na 1 Alk 1
g₉₀ dg 5 ll 5

39 (VI) 1. Sort 3 3. Sort 2 5. Bet, 3
2. Bet, 10 4. Bet, 6

H₂O Sky 5
Alt 55 Pop 35 Alk 5 Alk 2 Pie 1 P₈₆ 1
g₈₀ ll 20

38 (V) 1. Bet, 3 3. Bet, 6 5. Pop, 6
2. Bet, 3 4.0

H₂O Sky 10
Bet 70 Alk 2 Sort 1 Pop 25 Pyc 1 Na 1
g₈₀ dg 2 ll 18

37 (IV) 1. Bet, 9 3. Alk 3 5. Bet, 10
2. Bet, 12 4.0
H₂O Sky 10

Bet 88 Alt 1 Sor 1 Pop 5 Ab 2 Pic 3 P 36 < 1
990 ll 10

30 (11) 1. Bet, 8 3. Bet, 10 5. Bet, 13
2. Bet, 7 4. Nov, 12

H 20 Sky 10

Bet 75 Nov 5 Ab 2 Pic 3 Pop 15

970 dg 2 ll 28

35 (11) 1. Bet, 2 3.0 5. Nov, 12
2. Bet, 7 4. Bet, 9

H 20 Sky 10

Pic 3 Nov 5 Ab 1 Sor 2 Alt 7 P 36 1 Bet 81

Steep slope ~~with~~, stream with thick
~~lush~~ shrubbery

990 dg < 1 ll 10

34 (11) 1. Bet, 9 3. Bet, 12 5. Bet, 15
2. Bet, 16 4. Bet, 12

H 25 Sky 5

Pic 1 Ab 1 Sor 1 Bet 97

980 dg 5 ll 15

Near Cassey;
There are some
shrubbery

19/11 Taiga, left bank, near island

5³⁰
① 44

Phyll. coll. - 1s, 80
Pyl. sp - 1c, 100
Phyll. proreg. - 1s, 150

②
45 Parus mont. - 1c
Saxia sp - 1c, →

Zoothera elanina - 1s, 1000
Ficedula ussuriensis - 1s, 100
Mentha glauca - 1s, 70, →
Dendrocop. major - 1s, 200
Phyll. proreg. 1s, 200
1s, 300
1s, 70

Turd. cerf. coll. - 1c

③ 46

Fic. ussuriensis - 1s, 80
Phyll. proreg. - 1s, 100
Par. montanus - 1s, 100
Streptopelia orient. - 1s, 100
Parus ater - 1s, 150
Phyll. coll. - 1s, 150

(12)

47

Phyll. proreg. - 18, 100
 Aeris indut. - 18, 100
 Phyll. coll. [18, 100]
 Fie. unguis [18, 150]
 Sit. europ. - 1c, 150
 Cerc. canus - 18, 1500
 Zooth. dauma [18, 1000]
 Acanth. flamma - 1c, 70, 4
 Dendrocap. waj [18, 500]
 Cercel. saten. - 18, 1500
 Streptopelia orientalis - 18, 100

(13) Phyll. proreg. - 18
 Aeris leodanica - 1c

48

Dendrocap. wajer - 18, 400
 Sit. europ. - 1c, 100 ?
 Fie. unguis [18, 150]
 Acanth. sp. - 1c, 100
 Streptop. orient. [18, 300]
 Zoot. dauma [18, 1000]
 Cercel. canus [18, 1500]
 Phyll. proregalis - 18, 500

(14)

49

Phyll. pro. - 18, 150
 18, 400
 18, 300

Zooth. dauma [18,1000]

Sylu. eerruca - 18,150

Frad. unguis - 18,150

Cicuel. saturatus [18,1000]

Pythula ~~sp.~~ sp. - 10,100

(VII)

50

Fic. unguis - 18

Phyll. proreg. [18,100]

[18,200]

Zooth. dauma [18,1000]

Sylu. eerr. [18,150]

Pyth. ~~sp.~~ sp. - 10,100

(VIII)

Regulus zezelus - 18

Phyll. proreg. [18,300] ✓
18,500

Cicuel. canaces [18,1500] ✓

Acroth. flavus - 10,60, →

(IX) 52

Phyll. proreg. [18,100] ✓
18,500

Parus montanus - 18,100

Zooth. dauma [18,1000] ✓

Cuc. cau. [18,1500]

Acanthis flammula - 1c, →

(x)

57

Phyll. proregalis - $\frac{1s, 80}{1s, 150}$

Zooth. dauma - 1s, 200

Par. caucasicus - 1s, 150

Cercul. sat. - 1s, 1500

Turd. ruficollis - 1c, 150

Phyll. collyb. - 1s, 100

(xi)

Phyll. proreg. - 1s

Fring. caucasic. - 1s, 70

Motac. godwini - 1s, 60

Parus caucasicus - 1c, 100

Microp. cereocat. - 1c, 100

Mic. caryoc. - 1

(xi) Valley of small stream.

1.0 3. Ab, 2 5. P&B, 6

2.0 4. Bet, 7

H 16 Sky 20

Bet 50 Pic 30 Ab 5 Al 5 Sal 1 P&B 10

glo vac 10 u 67 ll 10 Eq 3

(x) Slope of valley of small stream.

S3 1.0 3.0 5. Pic, 3

2.0 4. Ab, 7

H 18 Sky 20

P&B 45 Bet 45 Ab 2 Pic 6 Sal 2

95 vac 5 Eq 5 u 20 ll ~~65~~ 65

S2 (ix) -4 -4 -4

1. Pic, 4 3. Ab, 2 5. Pic, 9

2. Pic, 3 4. Ab, 2

H 18 Sky 20

P&B 35 Bet 35 Ab 15 Pic 10 Al 5

95 vac 10 ll 20 u ~~55~~ 55 Eq 10

S1 (viii) -4 -4 -4

1. Ab, 2 3. Pic, 3 5. Pic, 6

2. Ab, 3 4. P&B, 7

H 18 Sky 15

Bet 25 P&B 25 Ab 1 Sal 1 Sor 1 Pic 25 Ab 25

95 ll 20 vac 10 u ~~55~~ 55 Eq 10

S0 (vii) -4 -4 -4

1.0 3. Pic, 4 5. ~~Ab, 7~~ 0

2.0 4. P&B, 3

H 16 Sky 20

P&B ~~25~~ 35 Pic 50 Bet 10 ~~Ab 1~~ Ab 5

95 ~~vac~~ vac 10 ll 20 u ~~55~~ 55 Eq 10

(vi) 1. Pic. 7 3. Pic 3 5. ~~Ab~~ Pic, 17
43 2. ~~Ab~~ 0, 4. P8B, 15
H20 Sky 15
P8B 50 Pic 35 Bet 10 Sor 1 Ab 5
9c1 Vac 5 ll 15 m ~~65~~ 75 Eq 5

(v) 1. Pic, 8 3. Pic, 8 5. Ab, 3
48 2. P8B, 14, 4. 0
H 23 Sky 15
P8B 35 Pic 30 Bet 10 Sor 1 Ab 15
95 ll 20 Vac 5 m ~~65~~ 65 Eq 5

(iv) 1. P8B, 10 3. P8B, 10 5. 0
47 2. Ab, 2 4. Ab, 5
H 23 Sky 10
P8B 50 Pic 15 Ab 30 Bet 5
95 Vac 1 Eq 5 ll 20 m 69

(iii) 1. P8B, 7 3. 0 5. P8B, 12
46 2. 0 4. Ab, 10
H 18 Sky 15
P8B 60 Ab 15 Bet 10 Pic 15
92 Vac 5 Eq 5 ll 20 m 68

(ii) 1. Pic, 5 3. Ab, 3 5. Bet, 4
45 2. 0 4. Ab, 4
H 20 Sky 10

P86 30 Pic 30 ab 30 bet 10

g 1 vac 5 ~~u 24~~ ll 20 m 79

44 (N) 1. bet, 5 3.0 5. Pic, 4

2. bet, 14 4. Pic, 2

A 20 Sky 20

P86 ~~ll~~ 10 Pic 35 ab 30 bet 15

g 1 vac 3 ll 25 m ~~ll~~ 66 Eq 5

Groups of big trees, solitary trees
 are mixed with thick shrubbery
 of bird cherry, haz, Sorbus, al, Salix,
 as a will near the lakes

20/VI island Elaroy

6th abies forest + thick shrubbery (mixed)

(7)

Turd. pilaris - 3⁺

Tur. illicia - 48 2/3

Parus ater - 18

Tur. illicia - 18, 70

Fr. montif. - 18, 100

Fr. coelebs - 18, 80

Cuc. canor. - 18, 100

Dendroc. maj - 18, 70

Falco sibirico - 18, 70

Phyll. coll. - 18, 100

Parus ater - 18 2⁺, 100

55

36

(1) Caprod. erythrinus - 18

Sylv. curruca - 18

Turd. illicia [18, 150]

Phyll. praeq. - 18, 150

Sylv. curruca - 18, 200

T. pilaris [18, 100]

Cucul. sater. [18, 700]

Phyll. coll. [18, 200] ✓?

Cucul. can. - 18, 500

18, 300

Corvus corone - 18, 500

Parus ater - 18, 100

Phyll. coll. - 18, 100

Tur. ill. [18, 200]

57
③ Phyll. proceq. - 1s
Seyl. curr. - 1s

Cucul. can. - 1s, 100
T. pilaris - 2⁺c, 80
Phyll. collyb. - 1s, 80
Dendroc. waj. - 1/2r, 150
Larus caucis - 1c, 200
Corvus corax - 1c, 300

58
④ Fr. collyb. - 1s
Seyl. curr. - 1s

Fring. montif. - 1s, 400
Larus caucis - 1s, 150
Zooth. sibir. - 1s, 100
Larus caucis [1c, 500]
Fr. mont. - 1s, 300
1s, 200
Turd. pilar. - 1c, 100
Parus ater - 1s, 80
Bombycilla garrulus - 1c, 100
Phyllos. coll. [1s, 100]
- 1s, 200
Cucul. cauc. [1s, 300] ✓
Corvus corax [1c, 100]
Phyll. proceq. - 1s, 150
Falco subbuteo [1c, 400]
Cucul. satur. [1s, 500] ✓?

59 (V) *Sylo. curv.* - 2^s
Phyll. proreg. - 1^s
Terd. pilaris - 1 pair

Phyll. coll. - 1^s, 200
Xarus carus - min 5⁺ (D)
Cicad. conus [1^s, 200]
Ter illiacus - 1^s, 200
Cicad. sat. - 1^s, 1000
1^s, 1000

60

(VI) *Dendro. maj* - 1c
Ter. pilaris - 1c
Xarus carus - 3⁺

Fr. unatip. - 1^s, 200
Mur. carocat. - 1c, 200
Phoenicaria phoenic. - 1^s, 300
Cicad. conus - 1^s, 1000

Sylo. curv. [1^s, 100]
[1^s, 130]
Cicad. sat. - 1^s, 500
Phyll. collyb. - 1^s, 80
Cicad. conor. [1^s, 500]
[1^s, 1000]
Callinaga stevora - 1^s, 70

Loxia sp ~ 10⁺, →

Phyll. collyb. - 1^s, 200

61

(VII) *Caprad. exyphr.* - 1^s
Cicad. satior - 1^s
Phyll. coll. - 1^s

Phoenic. phoenic [1^s, 100]
Fr. coelob. - 1^s, 150
Cicad. satior. - 1^s, 100

Cucul caur. - 18,300
 Phyll. coll. - 18,150
 Dendroop. waj. - 18,70
 Fring. montifring. - 18,100

Parus montan. - 18

(viii) 62
 Sylv. eur. [18] ✓?
 Coria sp. - 18, →
 Parus caur. - 1
 Dendroa calliope - 18
 Dendroop. waj. - 18

Turd. illiaca - 18,100
 18,100
 Phyll. coll. [18,150]
 Fr. caelebs - 18,150
 Phyll. borealis - 18,100
 Turd. pilaris - 18,70
 Sit. europ. - 18,150
 Cucul. caur. - 18,150

63
 (x) Acroceph. danator. - 18
 Phyll. coll. - 18
 Parus ater - 18

Sylv. eur. - 18,150
 Cucul. can. [18,200]
 [18,70] ✓?
 Tur. illiaca - 18,300
 Cucul. sater. [18,100] ✓?
 [18,1000] ✓?
 Tur. pilaris - 18,70, →
 Phyll. coll. - 18,200

(x) 64
 Par. ater? - 18
 Phyll. collyb. - 18
 Tur. illiaca - 18

Sylv. eur. - 18,150
 Cucul. caur. - 18,200
 Tur. philocelos - 18,150
 Sylv. eur. - 18,150
 Cucul. caur. [18,400] ✓?
 Cucul. sater. - 18,70

64

Dendroop. waj. - 18

(x) 1. Pet, 4 3 Ab, 6 5. Ab, 9
 2.0 4. Sor, 4
 H 20 Sky 25
 Pet 44 Ab 44 Sor 10 by 5 Pied Bel 5
 g 80 f 10 ll + dg 25 Eq 5

67 (ix) 1.0 3.0 5. Pet, 10
 2. Beh, 2 4.0

Pet 50 Ab 40 Sor 5 by < 1 Beh 5 Psb < 1
 H 20 Sky 30

g 60 f 30 dg + call 2 Eq 8

68 (viii) 1. Ab, 5 3.0 5.0
 2. Ab, 4 4. Sal, 4

H 20 Sky 40
 ab 30 by 5 Beh 20 Pet 10 ab 10 Sor 10 Sal 15
 g 50 f 20 dg - ll 25 Eq 5

61 (vii) 1. ab, 10 3. al, 4 5. Pop, 10
2. bel, 3 4. 0
ab, 20 bel, 20 al, 15 Sor, 10 Bet, 20 Pop, 15
g 80 f 5 w 5 dg + ll ~~dg~~ Eq 1

60 (vi) 1. Bel, 4 3. 0 5. al, 3
2. Pop, 4 4. 0
H 20 Sky 30
Bet 20 Pop 30 ab 8 bel 20 al 20 Sor 2 53 < 1
g 20 f 20

59 (v) 1. ab, 7 3. Sor, 2 5. 0
2. 0 4. Bet, 7
ab 50 Sor 5 bet 20 al 15 bel 10
g 15 f 35 w 10 ll ~~ll~~ 30 Eq 10
H 20 Sky 20

58 (iv) 1. ab, 3 3. al, 5 5. al, 4
2. ab, 12 4. ab, 7
H 20 Sky 10

ab 40 bet 15 bel 15 Sor < 1 al 30
g 40 f 1, w 5, w 5, ll + dg 48, Eq 1

57 (iii) 1. ab, 4 3. ab, 4 5. al, 4
2. ab, 2 4. 0
H 20 Sky 20

ab 60 Sor 3 al < 1 al 17 bet 10 Sal 10
g 10 f 30 w 10 ll + dg ~~ll~~ 40 Eq 10

56 (11) 1.0 3.0 5. Bet 10

2. Al, 3 4. Bel, 3

Hix Sky 15

Al 30 Bet 20 Ab 20 Bel 10 Pop 20 Ser 1

55 9 10 f 30 Eq 3 u 2 w + ll 55

(12) 1. Al, 7 3. Ab, 12 5. Al, 5

2.0 4. Ab, 3

Hix Sky 15

Al 45 Ab 40 Bet 9 Hz 1 Bel 5

9 30 f 20 Eq 10 ll 40

Blauk Kasovskiy, Armer Sarumcha
and Proklyetaya; near vill. Ptouka,
Novogardovo!

24/VI
river Sarumcha taiga

(I) 5 ¹⁶	
65 Phyll. prog. - 18	Cucul. canor. - 18, 200
	dusc. eyau - 18, 200
	Phyll. prog. - 18, 200
	Parus mont. - 18, 80
	Capod. erythr. - 18, 150
Spicis spicis - 18, →	Phyllose. coll. - 18, 150
(II) 5 ³⁴	
66 Fr. montif. - 18	Phyll. prog. - 18, 100
	[18, 200] ✓?
	Cucul. canor. - 18, 80
	Parus montan. - 18, 60
	Fring. coelebs - 18, 100
	18, 200
	Dendroc. major - 18, 100
Parus mont. - 18 ✓	Loxia sp. - 18, 80

(iii) 6¹⁴
67

X. cyane	-18,100
Pluill. prog.	-18,150
	<u>18,200</u>
Parus mont.	-18,200
	10,60
Cucul. canor.	<u>18,400</u>
Pluill. prog.	<u>18,150</u>
Cucul. sat.	-18,400

68 (iv) 6³¹

Xusc. cyane -18
Parus mont. -1

Xusc cyane	<u>18,70</u>
Pluill prog.	<u>18,70</u>
	18,150

(v) 6⁵³

69 Parus mont. ? - 10

Pluill. prog.	<u>18,100</u>
	18,100
	18,20

Xusc. sibilans	-18,500
Xusc cyane	<u>18,150</u>
Dend. usj.	-17,150
Pluill. prog.	-18,20
Sit. europ.	-10,100
10,100	

70 (VI) 7⁰⁷
 Phyll. proz. [14/1] } Phyll. proz. [18,300]
 Phyll. proz. - 18,300

71 (VII) 7¹⁹
 Phyll. proz. - 18 } Phyll. proz. [18,300]
 18,300

72 (VIII) 7³²
 Piceoides tridact. - 100 } Phyll. proz. - 18,80
 18,150
 18,200
 18,100
 Phyll. tochiloides - 18,150

73 (IX) 7⁴⁵
 Piceus ater - 28 } Phyll. proz. [18,100] ?
 Phyll. proz. [18] }
 Piceus sp. - 10, - } Piceus montanus - 18,100

74 (X) 7⁴⁹
 Piceus montan. [18,100] }
 Phyll. proz. - 18,150 }
 18,200 }
 Piceus ater [18,100] }
 18,100 }
 Phyll. proz. [18,150]

74 (X) 1.0 3 Bet, 8 5. Pic, 10
2. Ab, 13 4. Ab, 12
H 22 Sky 15
Psb 5 Bet 2 Sor 8 Alr 4 Pic 5 Ab 20 26
9 15 vac 30 ll 2 u 15 f 48

73 (W) 1. Ab, 5 3.0 5. Ab, 5
2. Sor, 3 4. Sor, 3
H 20 Sky 15
Pic 5 Sor 8 Bet 1 Psb 1 Ab 85
9 20 vac 20 ll 10 u 10 Eq < 1 f 49

72 (VIII) 1. Ab, 8 3 Sor, 2 5.0
2. Psb, 6 4. Bet, 13
H 21 Sky 15
Sor 5 Bet 14 Psb 1 Alr 1 Ab 79
9 45 f 40 u 15 ll 5 vac 5

71 (VII) 1. Ab, 11 3. Ab, 6 5. Sor, 5
2. Sor, 7 4.0
H 20 Sky 15
Sor 2 Bet 30 Pic 3 Ab 60
ll 2 u 2 g = f = 96/2

(LI) 1.0 3.0 5.0
70 2. Ab, 5 4. Bet, 15

H 18 Sky 15
Bet 10 Sor 5 Ab 85
9 35 f 15 u 20 ll 15 vac 15

69 (V) 1. Sor, 4 3. Ab, 6 5. Ab, 4
2. Ab, 6 4.0

H 18 Sky 15
Ab, 90 Bet 5 Sor 5
9 30 f 30 u 25 vac 10 ll 5

68 (VI) 1. Ab, 3 3. Ab, 3 5. Sor, 3
2. Ab, 4 4.0

H 16 Sky 10
Bet 5 Sor 8 Pic 2 Ab 85
9 20 f 20 u 20 vac 20 ll 20

A lot of small Abies (h = 1.5 - 3 - 5 m)
67 (III) 1. Ab, 5 3. Ab, 3 5. Ab, 12
2.0 4. Ab, 3

H 19 Sky 20
Alr 2 Sor 4 Bet 2 Pic 2 Ab 90
9 20 f 41 u 10 vac 1 ll 30

-4-4-4-
66 (II) 1. Ab, 6 3. Ab, 2 5. Ab, 4

2.0 4.0
H 20 Sky 20

Pic 5 Bet 5 Sor 5 Pic #85
 925 f 25 - vac 10 into ell 25
 -4-4-

65 (i) 1. Ab. 3 3. Ab. 4 5. Ab. 3
 2. Ab. 2 4. Ab. 6

Hix Sky 20

Ab 60 Bet 30 Alr 3 Sor 5 Pic 2 Sal 2

920 f 60 into ell 10

Steep slope, some Salix of river
 Scrub, more shrubby, it is wet

25/VI Right bank, Betula forest
 against vil. Phouka

77 (i) 6⁰⁵
 Nox. sp. - 1c, 7

Phyll. proreg. - 1s, 150
 Pythula sp. - 1c, 150
 Pirus aler - 1s, 100
 Cerculus canorus - 1s, 700

78 (ii) 6²⁵
 Xusc. eyane - 1s

Xusc. eyane - 1s, 70
 Urtica nigra - 1c, 100

Sitta europ. - 1c

79 (iii) 6⁴⁰
 Xusc. eyane - 1s

Fung. coelebs - 1s, 70
 Xusc. eyane - 1s, 100

Phyll. proregulus fls

80 (iv) 6²⁵

Fung. coelebs fls, 100
 Xusc. eyane fls, 80
 1s, 100

Phyll. proreg. - 1s, 150

81 7^{10} (V)
Nusc. cyane - 18

Nusc. cyane [18, 150]
Phyll. proregulus - 18, 300

82 7^{22} (VI)
Fring. coelebs - 18

Phyll. proregul. - 18, 100
Fring. montifr. - 18, 150
Nusc. cyane [18, 150]

83 7^{33} (VII)
Parus ater - 18

Circul. caucurus - 18, 500
Fring. montifr. - 18, 200
Phyll. proreg. - 18, 100

84 7^{45} (VIII)
Sitt. eur. - 1 brood (ad + juv)

Fring. montifr. [18, 100]
Nusc. cyane - 18, 70

85 8^{11} (IX)
Fring. montifr. - 18
Phyll. proreg. - 18
Nusc. cyane - 18

Phyll. trochiloides - 18, 80
Circul. caucurus - 18, 200
Nuc. obscurus - 18, 100
Phyll. proreg. - 18, 200
Parus ater - 18, 100

86 8^{17} (X)

Circul. caucurus [18, 100]
Nucif. caryoc. - 10, 100
Fring. montifr. - 18, 200
Parus ater [18, 80] ✓?

vil Phomka

(X) 1 Bet, 7 3. Bet, 5 5. ab, 4
86 2. ab, 3 4. Pop, 11
H 23 Sky 10
Bet 35 ab 25 Sor 5 Pop 35
g 25 f 50 m 5 ll 20

~~Layer I~~ I layer - Betula;

85 (IX) 1. 0 3. ab, 2 5. ab, 3
2. ab, 2 4. ab, 2
H 25 Sky 5

Bet 20 ab 65 Pop 10 Sor 5
g 22 f 50 Pop 25 m 3
- 4 - 4 -

Abies is only in
second and third
layers (but thick
as a rule)

84 (VIII) 1. ab, 2 3. 0 5. ab, 3
2. Bet, 19 4. Bet, 7
H 22 Sky 15
ab 50 Bet 20 Pop 30
g 60 f 30 ll 10
- 4 - 4 -

81 (vii) 1. ab, 2 3. Pop, 17 5. ab, 4
 2. Pop, 17 4. ab, 3
 H 23 Sky 20
 Bet 30 Pop 30 ab 40
 g 30 m 5 f 40 ll 20 vac 5

82 (vi) 1. Bet, 4 3. ab, 2 5. ab, 3
 2. Bet, 6 4. ab, 2
 H 21 Sky 20
 Bet 39 ab 30 Pop 30 Sor 1
 g 40 f 40 ll 20

83 (v) 1. ab, 4 3. Bet, 3 5. Bet, 5
 2. Bet, 4 4. 0
 H 11 Sky 15
 Bet 50 ab 20 Pop 25 P&B 5
 g 25 vac 20 ll 5
~~g 25 vac 20 ll 5~~ -4-4- (+steep slope)

84 (iv) 1. Pop, 4 3. ab, 2 5. Bet, 10
 2. Bet, 3 4. Bet, 9
 H 17 Sky 20
 Bet 50 Pop 40 ab 20
 g 30 vac 40 ll 10 f 20

79 (iii) 1. ab, 3 3. 0 5. ab, 4
 2. ab, 3 4. ab, 4
 H 20 Sky 20
 ab 35 P&B < 1 Bet 40 Pop 20 Sor 3 Pic 2
 g 25 f 25 ll 25 vac 25

78 (ii) 1. Pop, 12 3. Bet, 10 5. ab, 4
 2. Pop, 10 4. Bet, 15
 H 23 Sky 20
 Bet, 40 Pic 15 Pop 20 ab 20
 g 50 f 20 eq 20 ll 30

77 (i) 1. Pic, 4 3. Pop, 20 5. Bet, 3
 2. Pop, 20 4. Bet, 6
 H 19 Sky 15
 Bet 40 Pop 40 Pic 20 ab < 1 P&B < 1
 g 60 ll 30 eq 20
 -4-4- (+steep slope)

26/4 Island near v. t. Phouka
 Flood plain; 30-70m along the
 Eusey.

87
 (i) 6⁴²

Acc. dimitt. - 1s
 Phyll. borealis - 1s

Sylvia borin - 1s, 70
 Cereul. caucor. - 1s, 500
 Phyllosc. collyb. - 1s, 100

88

(ii) 6⁵⁹

Musc. calliope - 1s
 Regithales caudatus - 1 pair
 Phyll. collyb. - 1s

Sylv. borin [1s, 100]
 Cereul. caucor. - 1s, 1000

89

(iii) 7¹⁴

Musc. calliope - 1s
 Sylv. borin - 1s
 Phyll. inornat. - 2e

Phyll. coll. - 1s, 70
 Cereul. caucor. [1s, 1000]
 Pyrrhula sp - 1e, 100
 Dendrocop. maj - 1e, 70
 Tard philomelos - 1s, 100
 Acroceph. elanus - 1s, 100
 Fringill coelebs - 1s, 150
 Sylv. caesia - 1s, 100

(iv) 7³⁰

90 Phyll. coll. - 1s

Cereul. caucor. [1s, 500]
 1s, 100

[1s, 1000]

Phyll. coll. - 1s, 100
 Phyll. inornat. - 1e, 100
 Pyrrhula sp. - 1e, 100

(v) 7⁴⁴

Phylloscop fuscatus - 1s
 Corvus corone - 1 pair, com
 Sylvia caesia - 1 pair, com

Cereul. caucor. [1s, 500]
 Dendrocop. maj - 1e, 80
 Phyll. collyb. - 1s, 70
 Falco sibilator - 1com, 70
 Sylv. borin? - 1s, 200

92

(vi) 8⁰⁴

Sylv. borin - 1s

Cereul. caucor. [1s, 500]
 [1s, 100]
 [1s, 200]

Phyll. coll. - 1s, 100
 Fring. montif. - 1s, 100
 Sylv. caesia - 1s, 200

Tringa ochropus - 1s, →

(VII) 8¹⁸

Corvus corone - 1 pair

93

Sylv. borin [18, 150]

Cucul. canorus [18, 150]

skyll. coll. - 18, 150

Aeroceph. ducet. - 18, 80

Cucul. canorus [18, 1000]?

(VII) 1. Bel, 2 2. Sal, 4 5.0

93 2. Al, 3 4.0

H 20 Sky 20

Pop 25 Bet 15 Bel 15 Al 15 Sal 15 Bz 5

f 50 g 40 ll 10

92 (VI) 1. Pop, 11 3. Pop, 4 5. Pop, 13

2. Pop, 16 4. Pop, 12

H 17 Sky 25

Pop 40 Bel 20 Sal 5 Bz 5 Bet 5 Al 25

ll 5 g = f = 95/2

91 (V) 1.0 3. Bel, 3 5. Bet, 10

2. Bel, 3 4. Bet, 15

H 22 Sky 20

Bel 30 Al 15 Sal 15 Bet 30 Pop 5 Al 5

ll 10 g = f = 45

90 (IV) 1.0 3. Bet, 7 5. Bel, 3

2. Pop, 15 4. Bz, 2

H 23 Sky 20

Pop 30 Bet 20 Al 25 Bel 25 Al 5 Bz 5 Sor 1

g 50 f 50 ll 1

89 (III) 1.0 3. Bel, 3 5.0

2.0 4. Sal, 3

H 23 Sky 25

Sal 20 Bel 20 Bet 20 Pop 20 Al 15 Bz 5

g 70 f 30 ll 1

88 (II) 1.0 3.0 5. Sal, 3

2.0 4. Bel, 3

H 17 Sky 50

Sal 25 Bel 25 Pop 40 Bz 5 Al 5

g 70 f 30

87 (I) 1. Sal, 4 3. Sal, 6 5. Sal, 2

2. Sal, 4 4. Bel, 2

H 6 Sky 20

Sal 50 Al 25 Bel 25

f 20 ll 5 w 5 g 70

28/11 left bank, taiga

93
 5⁵³
 Corvus corax - 1
 Corvus corone - 1

Phyll. proreg. - 18,100
 18,300
 Nuc. sibil - 18,150
 Fring mont. fr. - 18,200
 Cerul. canorus - 18,100
 Parus montan. - 18,200

94

95
 6¹⁴
 Phyll. proreg. [18]
 Par. mont. - 18
 Sitta europ. - 1c

Phyll. proreg. - 18,100
 18,400
 Cerul. canor. [18,500] ✓?
 Nuc. carpocat. - 18,300
 Nuc. sibilans - 18,500
 Phyll. proreg. - 18,
 Cerul. saturat. - 18,1000
 Sitt. europ. - 1c,100

96
 6²⁷
 Phyll. pro. [18]
 Nucif. carpocat. - 1c

Phyll. pro. - 18,150
 Nucif. carpocat. [18,150] ✓?
 18,200
 Cerul. satur. [18,1000]

Parus mont. [18,200]
 Cerul. canorus [18]

97
 6⁴³
 Sitta europ. - 1c

Phyll. proreg. - 18,70
 18,300
 [18,150]
 Sitt. europ. - 1c,70
 Parus mont. - 18,100

98
 6⁵⁸
 Phyll. pro. 18

Phyll. proreg. - 18,70
 [18,150] ✓?
 Cerul. saturat. [18,1500] ✓?
 Cerul. canor. [18,1500] ✓?

99
 7¹³
 Phyll. proreg. - 18

Phyll. pro - 18,200
 Par. ater - 18,100
 Cerul. canor. [18,1000] ✓?
 Phyll. proreg. [18,200] ✓?
 Parus mont. - 1c,150

99 (vi) 1.0 3. ab, 7 5.0
2. Sor, 4 4. ab, 3
H 20 Sky 20
Pic 20 ab 20 Sor 19 Bch 1 Bet 20 Psh 20

98 (v) 1. ab, 4 3. Pic, 18 5. ab, 10
2. ab, 7 4.0
H 20 Sky 15
ab 35 Sor 20 Pic 20 Bet 20 Psh 5

97 (iv) 1.0 3. ab, 4 5. ab, 10
2. Bet, 2 4. Sor, 3
H 21 Sky 10
ab 40 Sor 20 Pic 15 Psh 5 Bet 20

96 (iii) 1. ab, 4 3.0 5.0
2. ab, 2 4.0
H 21 Sky 20
ab, 40 Sor 20 Pic 15 Bet 20 Vac 5

95 (ii) 1. ab, 2 3. ab, 4 5.0
2.0 4. ab, 4

H 20 Sky 20
ab 35 Bet 15 Sor 15 Psh 15 Pic 20

94 (i) 1.0 3. Sor, 5 5. Pic, 20
2. ab, 5 4.0

H 23 Sky 10
ab 30 Sor 20 Bet 30 Pic 10 Psh 10
g 30 Vac 1 Eq 1 f 20 ll 10 u 40

2/VI Right bank, ~~opposite~~ ~~isl. Kasovskiy~~,
Betula - forest.

(i) 5¹⁷
100

Actithis hypoleuca - 1c, 150

(ii) 5³⁰ 101

Fring. montif. - 1c, 100 } Dendroop. martius - 1c, 100

(iii) 102 5⁴⁵

Dendroop. major - 1c }
Loxia sp. - 1c, →

(iv) 5⁵⁹

103 Parus ater - 1 pair, con } Phyll. proreg. - 1s, 100
Parus ater - 1c, 70 }
Parus ater - 1s } Fr. coelebs - 1s, 100

(v) 6²⁸

104 Fring. montif. - 1s } Parus ater - 1s, 150
Phyll. proreg. f 1s/v } Fr. coelebs - 1s, 200
Parus ater - 1s } Nuc. caryoc. - 1c, 300
Phyll. proreg. - 1s, 200

(vi) 6⁴¹

105 Fring. coelebs - 1s
Parus montanus - 1s

Fring. montif. - 1s, 100
Phyll. proreg. - 1s, 200
Nuc. caryoc. - 1s, 150
Parus mont. - 1s, 70
Parus ater - 1s, 100

106

(vii) 7¹¹

Loxia sp. - 1c, →
Sitta europ. - 1c
Par. ater →

Fring. coelebs - 1s, 60
P. ater [1s, 100]
Sitt. eur. - 1c, 60
Nuc. cyane - 1s, 100
Fring. coelebs - 1s, 60

[1s, 150]
[1s, 150]

Fring. montif. - 1s

Sitt. europ. - 1c, 70
Nuc. obscurus - 1s, 70

107 (viii) 7²⁵

Sitta europ. - 1c

Phyll. proreg. - 1s, 100
Zoothera dauma - 1s, 1000
Fring. montif. f 1s, 200/v?
Nuc. cyane [1s, 300]
1s, 100

Fr. coelebs f 1s, 100/v?

108 (X) 7⁴⁰
 Nuc. cyane [1s]

Dendroc. maj - 1 tr, 70
 Nuc. cyane - 1s, 100
 Lorid sp - 1c, 100, →
 Sitka europ - 1c, 60

109 (X) 7⁵³

Phyll. procg. - 1s, 100
 1s, 200
 Fring. mont. - 1s, 150
 Nuc. cyane [1s, 150]
 Sit. europ - 1c, 80
 Spruce spruce - 1c, 70, →

109 (X) 1 ab, 4 3. Pop, 15 5. ab, 3
 2. Pop, 10 4. ab, 3
 H 20 Sky 10

ab 80 Bet 14 Pop 5 Sor 1
 g 33 f 33 Pop 33 Eq 1

~~Deep or deep~~ I layer - Betula, Populus
 abies, & only in II-III layers, but some times thick.

108 (IX) 1. Pop, 13 3. ab, 2 5. 0
 2. Bet, 15 4. ab, 2
 H 23 Sky 10

ab 29 Bet 30 Pop 40 Sor 1
 f 20 Pop 10 Vac 5 g 65
 -4-4-

(VIII) 1 ab, 2 3. ab, 3 5. ab, 3
 2. ab, 2 4. Sor, 7

H 23 Sky 10
 ab 60 Bet 34 Sor 1 Pop 5
 f 40 w 1 g 20 ll 19
 -4-4-

106 (VII) 1. 0 3. 0 5. Sor, 3
 2. Sor, 2 4. ab, 4
 H 20 Sky 15

Bet 40 ab 50 Sor 8 Pic 1 Pop 1
 f 60 g 35 ll 5
 -4-4-

105 (VI) 1. Bet, 10 3. ab, 4 5. ab, 15
 2. 0 4. ab, 4
 H 21 Sky 10

ab 40 Bet 50 Pic 5 Sor 5
 g 50 f 30 w 5 ll 10 Eq 5
 -4-4-

104 (V) 1. Sor, 6 3. 0 5. Bet, 10
 2. Pop, 12 4. ab, 2

H 21 Sky 13
 Ab 30 Bet 40 Sor 5 Pop 30
 f 25 Pop 5 g 70
 - 4 -

103 (iv) 1. Ab, 3 3. Ab, 3 5. Ab, 5
 2. Pop, 13 4. Pop, 9
 H 23 Sky 15
 Bet 20 Ab 19 Sor 1 Pop 60
 g 70 f 75 ll 5
 - 7 - 4 -

102 (iii) 1. Sor, 4 3. Pop, 15 5. Bet, 15
 2. Pop, 12 4. Pop, 10
 H 23 Sky 10
 Bet 23 Ab 2 Sor 10 Pop 65
 g 95 ll 5

~~Clear Betula-Populus forest almost without Abies~~
 Clear Betula-Populus forest almost without Abies

(ii) 1. Pop, 10 3. Sor, 2 5. Pop, 10
 2. Pop, 15 4. Bet, 2
 H 21 Sky 10
 Pop 65 Bet 13 Ab 1 Sor 10 Bet 10
 g 80 Eq 20 ll 1

- 4 - 6 - 4 -

100 (i) 1. Pop, 17 3. Pop, 15 5. Bet, 4
 2. Pop, 15 4. Pop, 10
 H 23 Sky 10
 Pop 60 Bet 30 Sor 8 Ab 1 Bet 1
 g 80 ll 20
 - 4 - 4 -

However snapuragon. Inis is an example

Matching:

a. blending
 b. incomplete dominance
 c. all of the above
 d. both a and b

6. Both alleles are expressed in the heterozygote
 7. Two or more genes with additive effect
 8. Single gene with multiple phenotypic effects
 9. Proportion of individuals that express a trait
 10. One gene masks the expression of another

a. expressivity
 b. autotrophy
 c. phenocopy
 d. test cross
 e. age-linked
 f. phenocopy
 g. penetrance
 h. lethal recessive
 i. dihybrid cross
 j. test cross
 k. incomplete dominance
 l. lethal recessive
 m. lethal recessive
 n. penetrance
 o. incomplete dominance
 p. expressivity

Russ Greenberg

202-673-4908

H 21 Sky 13
Ab 30 Bet 40 Sor 5 Pop 30
g 25 Pop 5 g 20
-4-4-

103 (iv) 1. ab, 3 3. ab, 3 5. ab, 5
2. Pop, 13 4. Pop, 9
H 23 Sky 15
Bet 20 Ab 19 Sor 1 Pop 60
g 70 f 75 ll 5
-7-4-

102 (iii) 1. Sor, 4 3. Pop, 15 5. Bet, 15
2. Pop, 12 4. Pop, 10
H 23 Sky 10
Bet 23 Ab 2 Sor 10 Pop 65
g 95 ll 5

~~Clear forest almost without Abies~~
Clean Betula-Populus forest almost without Abies

(ii) 1. Pop, 10 3. Sor, 2 5. Pop, 10

2. Pop, 15 4. Bet, 2

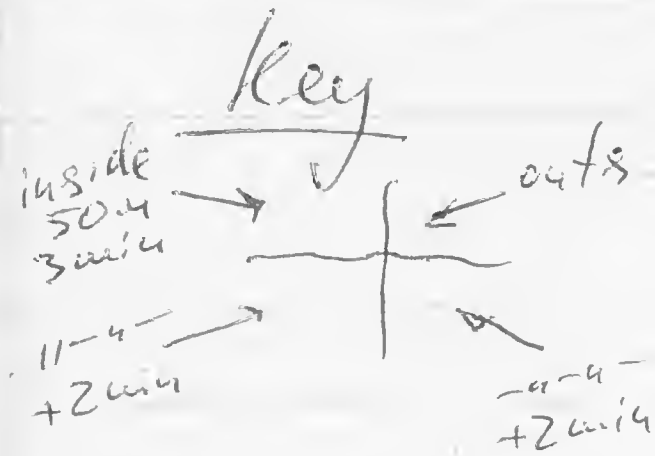
H 21 Sky 10

Pop 65 Bet 13 Ab 1 Sor 10 Bet 10

g 80 Eq 20 ll 4

-4-4-4-

100 (i) 1. Pop, 17 3. Pop, 15 5. Bet, 4
2. Pop, 15 4. Pop, 10
H 23 Sky 10
Pop 60 Bet 30 Sor 8 Ab 1 Bet 1
g 80 ll 20
-4-4-



Scientific name - by Crenshaw, 1990 / (Katanor was, CCCP)

- 1s - 1 singing bird, or
- 1c - 1 calling bird
- 2s - 2 different birds (singing or c)
- 2c - - - - -
- 2+c - 2 birds, which are together (maybe - pair, may be - not)
- cc - calls of some birds
- 1 - 1 bird (I saw)
- 2+ (3+...) - birds, which are together, I saw
- 1 or - I saw or (but no sing.)
- 1 tr - trills of 1 Dendroscopus / Picoides, Drycop,
- - fly fly
- 2 - fly around us
- sp. (for example, *Toxia* sp.) - I don't know the species

2± / 3±... - may be together (pair, group), may be - not

1 cou (pair, cou) - 1 bird is worried (pair is)
(50 m?) - I don't know exactly the bird is
inside or outside

18, 60 - distance to singing bird \approx 60m
(begin to make from 13/VI)

18, 60 - The bird song 14 points
18, 60 I'm not sure that I heard this bird.
before from 13/VI
→ The bird fly from outside to
inside

al/al - alnus or alnusster

al - alnus

alr - alnusster

psv - Piceus silvestris

psl - Piceus sibiricus

Pic - Picea

ab - abies

Bet - Betula

Pop - Populus tremula

Bel - birdcherry

Sal - Salix

Xar - Xarix

Sor - Sorbus

bz (bys) - byzania (Sambucus)

dq - dry grass

ll - leave litter

g - grass

u - uross

w - water

sq - Equisetum

f - firm

Vac - Vaccinium

for example: grollro (70) %

u70 (g 30 ll 40) - under the water

* grass = sq, f, Vac and other small green
plants - 7/VI, 9/VI, 13/VI, 16/VI, 18/VI
Then - begin to ~~differ~~ distinguish.

* In the first point count (7/VI)

used gaps within canopy outline of
tree - part of "gap"



Cotrus cotone - CORCOR

COTUAX

CORCOX



X

M



B



B

Sambucus

А. О. „Бумизделия“