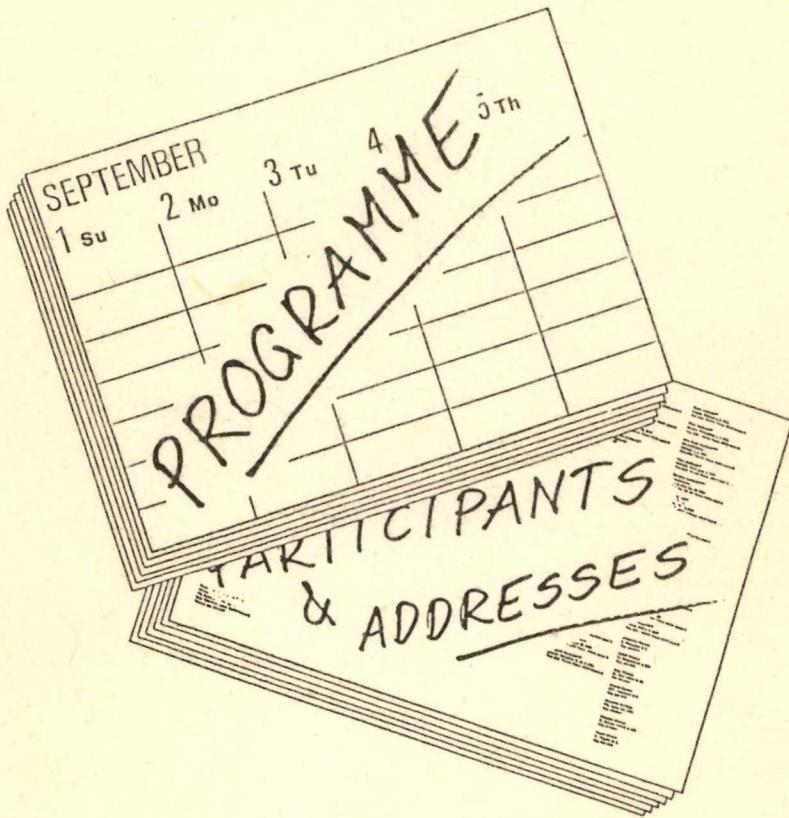


3rd CONGRESS OF E.S.E.B.



1991 September 1-5
Debrecen
Hungary

3rd CONGRESS OF E.S.E.B.

**1991 September 1-5
Debrecen
Hungary**

The cover was designed by Zsolt Farkas.

Local Organizing Committee:

Gábor Vida, chairperson

Liz Pásztor, secretary

Éva Kisdi

István Ladunga

Géza Meszéna

István Molnár

Katalin Pecsénye

Tamás Székely

Gábor Szilágyi

Zoltán Varga

Symposium Organizers:

G.A. Dover (Cambridge)

P.-H. Gouyon (Paris)

A. Hoffmann (Warsawa)

T.J. Horder (Oxford)

G. de Jong (Utrecht)

V. Loeschke (Aarhus)

Workshop Organizers:

I. Andrássy (Hungary)

F.M. Catzeflis (France)

J.R. David (France)

A. Fodor (Hungary)

S. Gavrillets (USSR)

T. Geszti (Hungary)

C. Gliddon (U.K.)

G. Illewitt (U.K.)

J.J. Jaeger (France)

S. Jain (USA)

É. Kisdi (Hungary)

J. Kozłowski (Poland)

Á. Major (Hungary)

K. Matesz (Hungary)

G. Meszéna (Hungary)

I. Molnár (Hungary)

A.J. van Noordwijk (Switzerland)

K. Pecsénye (Hungary)

C. Ricci (Italy)

J. Shykoff (Switzerland)

R. Sibly (U.K.)

Y.M. Svirezhev (USSR)

A.T. Szabó (Hungary)

E. Szathmáry (Hungary)

J. Szymura (Poland)

J. Thompson (France)

M. Turelli (USA)

J. Yoshimura (Canada)

Travel Agency:

HajduTourist

4001 Debrecen Pf. 128.

Hungary

Telefax: 36 52 19616

The organizers gratefully acknowledge the support of:

Bengt O. Bengtsson (Lund)

Steve Stearns (Basel)

Swiss Nationalfonds

Hungarian Academy of Sciences

Eötvös Loránd University, Budapest

Kossuth Lajos University, Debrecen

PROGRAM

SUNDAY, September 1

10⁰⁰-20⁰⁰: Registration

19⁰⁰: OPENING ADDRESS: Gábor Vida
WELCOME PARTY

MONDAY

September 2

8³⁰ PRESIDENTIAL ADDRESS:
J. Maynard Smith:
The evolution of Bacteria:
Does sex matter?

9³⁰ SYMPOSIUM (Sy1):
Paleontological approaches
to evolution
org.: A. Hoffman

WORKSHOPS:
RoomA Ws5 "RESOURCE-HABITAT"
RoomB Ws14 "OPTIMAL ALLOC."
RoomC Ws11 "C. ELEGANS"

12³⁰ LUNCH

14³⁰ PLENARY LECTURE:
R.F. Doolittle:
Evolution of blood coagulation

15³⁰ SYMPOSIUM (Sy2):
The consequences of molecular
evolution for organismal evolution
org.: G.A. Dover

WORKSHOPS:
RoomA Ws4 "PARTHENOGENESIS"
RoomB Ws2 "POLYPLOIDY"
RoomC Ws14 "OPTIMAL ALLOC."

18³⁰ DINNER

20⁰⁰ EVENING LECTURE:
RoomA E. Nevo

WORKSHOPS:
RoomB Ws3 "AMPLIFICATION"
RoomC WS11 "C. ELEGANS"

TUESDAY

September 3

PLENARY LECTURE:
Eörs Szathmáry:
Analytic and constructive approaches
to early evolution

SYMPOSIUM (Sy3):
Toward a modern definition
of recapitulation
org.: T.J. Horder

WORKSHOPS:
RoomA Ws8 "CONSERVATION"
RoomB Ws1 "PHYLOGENY"
RoomC Ws4 "PARTHENOGENESIS"

LUNCH

PLENARY LECTURE:
S.A. Kauffman:
Coevolution to the edge of Chaos

POSTER SESSIONS:

16³⁰ PRESENTATIONS:

B1, CII + CIII, D, E,
F1, G, HII, JII, K

DINNER

WORKSHOPS:
RoomB Ws16 "MODELLING"
RoomC Ws11 "C. ELEGANS"

OVERVIEW

WEDNESDAY

September 4

SYMPORIUM (Sy4):
Complicating factors in the analysis of selection
 org.: G. de Jong

WORKSHOPS:
 RoomA Ws6 "SPECIES SUBDIVISION"
 RoomB Ws10 "HOST-PARASITE"

11th POSTER SESSIONS

PRESENTATIONS:

A, BII, CI, FII, HI, I,-JI, L

LUNCH

PLENARY LECTURE:
P.R. Grant:
 Speciation and hybridization
 in Darwin's Finches

SYMPORIUM (Sy5):
Coevolution
 org.: V. Loeschcke

WORKSHOPS:
 RoomA Ws6 "SPECIES SUBDIVISION"
 RoomB Ws12 "STOCHASTIC ENV."
 RoomC Ws15 "SYMMETRIES".

DINNER

ESEB Business Meeting

THURSDAY

September 5

PLENARY LECTURE:
A.S. Kondrashov:
 Deleterious mutations as
 an evolutionary factor

SYMPORIUM (Sy6):
Evolution in metapopulations
 org.: P-H. Gouyon

WORKSHOPS:
 RoomA Ws7 "GENETIC DIVERSITY"
 RoomB Ws12 "STOCHASTIC ENV."
 RoomC Ws15 "SYMMETRIES"

LUNCH

PLENARY LECTURE:
S. Stearns:
 The evolutionary explanations of
 phenotypic design

WORKSHOPS:
 RoomA Ws7 "GENETIC DIVERSITY"
 RoomB Ws13 "QUANTITATIVE GEN."
 RoomC Ws9 "HETEROGENEOUS ENV"

FAREWELL PARTY

(Vertical lines denote parallel sessions. All the plenary lectures and the symposia will be held in the Aula.)

The programme also contains

- ESEB Council Meeting
- JEB Editorial Board Meeting
- ICSEB'96 Advisory Board Meeting

PLENARY LECTURES AND SYMPOSIA

Presidential address:

Monday 8³⁰-9²⁵
Aula

J. Maynard Smith

The evolution of *Bacteria*: Does sex matter?

Symposium 1: PALEONTOLOGICAL APPROACHES TO EVOLUTION

Organizer: Antoni Hoffman (Warsawa)

Monday 9³⁰-12³⁰
Aula

A. Seilacher

**Morphological analysis in
evolutionary paleontology**

**** Sy1.2**

R.A. Reymert

**Quantitative-genetic analysis
of species-level evolution**

Coffee break

10⁴⁰-10⁵⁰

**** Sy1.1**

K.W. Flessa, D. Jablonski

**Biogeography and
macroevolution in marine
bivalve molluscs: Learning
from the Recent**

** Sy1.3

J.B.C. Jackson,
A.H. Cheetham

Quantitative genetics of
speciation in the fossil
record

A.. Hoffmann

Biogeochemical approach to
evolution

Plenary Lecture

Monday 14³⁰-15²⁵
Aula

R.F. Doolittle

Evolution of blood coagulation

Symposium 2:

THE CONSEQUENCES OF MOLECULAR EVOLUTION FOR ORGANISMAL EVOLUTION

Organizer: Gabriel A. Dover

Monday 15³⁰-18³⁰
Aula

** Sy2.1

G.A. Dover

Natural selection and
molecular drive in the
evolution of complex
biological functions

** Sy2.2

R.Costa, A. Peixoto,
 S. Campesan, M. Marchesini, G. Barbujani, C. Kyriacou Molecular evolution of the clock gene period in *Drosophila*

 $16^{40}-16^{50}$ **Coffee break**

** Sy2.3

R. Sommer, G. Buettner,
D.Tautz

Evolutionary divergence of segmentation genes

** Sy2.4

D.M. Irwin

Origin and evolution of ruminant stomach lysozyme genes

** Sy2.5

I. Ladunga

Modular and convergent evolution in signal peptides, proteins in viruses and membranes of Gram-negative bacteria

Evening lectureMonday 20⁰⁰

Room A

E. Nevo

Evolutionary theory and processes of active speciation and adaptive radiation in subterranean mole rats, *Spalax ehrenbergi* superspecies in Israel

Plenary Lecture

Tuesday 8³⁰-9²⁵
Aula

E. Szathmáry**Analytic and constructive
approaches to early evolution****Symposium 3:****TOWARD A MODERN DEFINITION OF
RECAPITULATION****Organizer: Timothy J. Horder**

Tuesday 9³⁰-12⁰⁰
Aula

**** Sy3.1****T.J. Horder****Towards a modern definition of
recapitulation****Contributors: Diana Bridge, D.J. Pritchard and R. Hinchliff****Coffee break****10⁴⁰-10⁵⁰****Plenary Lecture**

Tuesday 14³⁰-15²⁵
Aula

S.A. Kauffman**Coevolution to the edge of
chaos**

Symposium 4: COMPLICATING FACTORS IN THE ANALYSIS OF SELECTION

Organizer: Gerdien de Jong

Wednesday 8³⁰-11³⁰
Aula

L. Gustaffson, K. Larsson

Maternal effects and selection in the
pied flycatcher

** Sy4.1

S.C. Stearns, E. Hillesheim

Responses and correlated responses
to artificial selection on size
at eclosion and its plasticity in rich
and poor food environments in
Drosophila melanogaster

** Sy4.2

P.H. van Tienderen

Decoupling phenotypic
selection and genetic response

Coffee break

10¹⁵-10²⁵

** Sy4.3

B.J. Crespi

Discovering the causes and
objects of selection:
Statistical and philosophical
methods and interpretations

** Sy.4

G. de Jong

Phenotypic selection on a
developmental character

Plenary Lecture

Wednesday 14³⁰-15²⁵
Aula

P. R. Grant

**Speciation and hybridisation in
 Darwin's finches**

**Symposium 5:
 Coevolution**

Organizer: Volker Loeschcke

Wednesday 15³⁰-18³⁰
Aula

**** Sy5.1**

V. Loeschcke

Coevolution: Introduction**** Sy5.2**

J.A. Addicott

"Cheating" in the yucca-yucca
 moth mutualism: the ecology of
 non-pollinating species in the
Tegeticula yuccasella complex

**** Sy5.3**

W.D. Hamilton

Parasites and host
 macroevolution

Coffee break16⁵⁰-17⁰⁰**B. R. Levin**

Coevolution in Bacteria and their
 viruses and plasmids

** Sy5.4

T.S. Ray

Synthetic life: Co-evolution
in digital organisms

** Sy5.5

S. Jain

Genetic aspects of coevolution
and coexistence in plants

Plenary Lecture

Tuesday 8³⁰-9²⁵
Aula

A.S. Kondrashov

Deleterious mutations as an
evolutionary factor

Symposium 6:

EVOLUTION IN METAPOPULATIONS

Organizer: Pierre-Henri Gouyon

Thursday 9³⁰-12⁰⁰
Aula

** Sy6.1

J. Blondel, P. Dias

Source-sink populations in
Harlequin environments

** Sy6.2

G. Bell

Selection in heterogeneous
environments

Coffee break	$10^{40}-10^{50}$
** Sy6.3 C. Gliddon, I. Olivieri	Metapopulations: Emergent properties or unnecessary complications?
** Sy6.4 R.A. Nichols	The genetic consequences of recolonization
Plenary Lecture	Thursday 14 ³⁰ -15 ²⁵ Aula
S.C. Stearns	Evolutionary explanations of phenotypic design

WORKSHOPS

- Ws1 Molecular, Paleontological, and Morphological Phylogenies in Vertebrates
- Ws2 The Evolutionary Significance of Polyploidy
- Ws3 Gene Amplification and Evolution
- Ws4 Variability and Speciation in Parthenogenetic Organisms
- Ws5 Resource - Habitat Selection, Metapopulation and Sympatric Speciation in Animals
- Ws6 The Subdivision of Species
- Ws7 Genetic Diversity and Microevolution
- Ws8 Population Genetics in Conservation: A Re-examination of Models and Recommended Applications
- Ws9 Measuring Selection in Heterogenous Environments, How to Aggregate the Data? Are the Problems Different for Spatially and for Temporally Heterogeneous Environments?
- Ws10 Host-Parasite Interactions
- Ws11 *Caenorhabditis elegans* Research and Evolution
- Ws12 Adaptation in a Stochastic Environment
- Ws13 Evolutionary Quantitative Genetics
- Ws14 Optimal Energy Allocation
- Ws15 The Transformations of Forms and Symmetries in Evolution
- Ws16 Mathematical Problems of the Theory of Evolution

Workshop 1

MOLECULAR, PALEONTOLOGICAL, AND MORPHOLOGICAL PHYLOGENIES IN VERTEBRATES

Organizers:

Francois M. Catzeflisch and Jean-Jacques Jaeger

Tuesday 9³⁰ - 12³⁰
Room B

** Ws1.A

P. Arctander

Resolving old and recent nodes in the avian tree using mtDNA sequences

** Ws1.B

V. Barriel, P. Darlu,
P. Tassy

Mammalian phylogeny and conflicts between morphological and molecular data: A discussion based on several examples

** Ws1.C

J.J. Beintema

Studies on the phylogenetic position of the *Ctenodactylidae* (Rodentia)

** Ws1.D

M. Monnerot

Origin of European rabbits.
Comparison of mtDNA diversity to paleontological data

** Ws1.E

W.W. de Jong

Eye lens protein sequences and
the phylogeny of mammalian
orders

** Ws1.F

L. Olivieri, G. Nascetti,
L. Bullini

Molecular and morphological
phylogenies in the genus
Salamandra

Poster:

** PoI.6:

E. Cirot

The arctoid *Carnivora*: Comparison
of some paleontological and
molecular data

Workshop 2: THE EVOLUTIONARY SIGNIFICANCE OF POLYPLOIDY

Organizers: Rosalyne Lumaret and John D. Thompson

Monday 15³⁰ - 18³⁰

Room B

Each discussion paper is scheduled to last a maximum of 15 minutes, with 10 minutes of discussion which will be of a general nature within the field of study of the presented paper (there will be no discussion following the introduction).

1. Introduction

** Ws2.A

R. Lumaret

Polyplody in the 80's: A review of what we have learnt in the last 10 years

2. Establishment and coexistence of polyploids in diploid populations

** Ws2.B

F. Felber

Theoretical and empirical considerations of polyploid and diploid coexistence: The example of *Anthoxanthum alpinum*

** Ws2.C

P. van Dijk

Genetic and ecological interactions between co-occurring cytotypes of *Plantago media* (Plantaginaceae)

** Ws2.D

L. Bullini, G. Nascetti

Evolutionary success of allopolyploid animal species

** Ws2.E

J.D. Thompson

Establishment and persistence of the allopolyploid grass *Spartina anglica*: The importance of individual plasticity

3. On origins, diversity and reproduction

** Ws2.F

R. Abbott

Multiple origins of the
allopolyploid *Senecio*
cambrensis (Compositae)

** Ws2.G

C. Thiriot-Quievreux,
D.O. Foighil

Reproductive strategies
related to evolutionary
mechanisms of polyploidy in a
marine brooding bivalve genus:
Lasaea

** Ws2.H

T. Staedler

Allopolyploidy and facultative
parthenogenesis as
determinants of clonal
diversity in the freshwater
pulmonate *Ancylus fluviatilis*

** Ws2.I

P. Berrebi

Polyploidy in three entirely
tetraploid fish phyla

M. Leipoldt

Regulation of gene expression
following diploidisation in
cyclopoid fish species

4. Concluding discussion

- (i) General discussion of presented papers in relation three themes:
 - a. the process of polyploidy,
 - b. immediate ecological consequences and
 - c. long term evolutionary change.
- (ii) How best bring together the multifarious approaches to the study of the ecological and genetic consequences of polyploidy and its evolutionary significance.
- (iii) Avenues of future research.

Workshop 3: GENE AMPLIFICATION AND EVOLUTION

Organizer: Dr. A.T.Szabó

Monday 20⁰⁰
Room B

The program will consist of some lectures and discussion.

1. The evolution of the knowledge regarding the DNA amplifications (A chronology)
2. A bibliographic database for the study of the role of DNA- and gene amplifications in the evolution of allometric characters (Structure, Content, Conclusion)

** Ws3.A

A.T. Szabó

A bibliographic database for
the study of the role of DNA
and gene amplifications in the
evolution of allometric
characters

- 3. Different viewpoints regarding the DNA- and gene amplifications:
 - 3.1. - molecular biology
 - 3.2. - cytogenetics
 - 3.3. - systematics and evolution
 - 3.4. - applied biology
 - 3.4.1. - animal and plant breeding

** Ws3.B

A. Lazányi

Gene amplification and plant
breeding

3.4.2. - oncology

3.4.3. - environment protection and environmental stress situations
(ecological approach)

4. Conclusions

Workshop 4:

PARTHENOGENESIS AND EVOLUTION: VARIABILITY AND SPECIATION IN PARTHENOGENS

Organizer: Claudia Ricci

Monday 15³⁰ - 18³⁰

Chairperson: John Maynard Smith

Room A

- Each speaker gets 15 minutes.

R. Michod

Reproductive biology of Bacteria

** Ws4.A

S.B.J. Menken

Population structure dynamics
in plants: Gene exchange
between diploid sexual and
triploid asexual *Taraxacum*
section *Ruderalia*

S. Baturin, N.B. Sukarova

Reproductive biology of *Fragaria*
(Rosaceae)

** Ws4.B

C. Ricci, M.J. Carmona

Phylum *Rotifera*:
Parthenogenesis and
variability

** Ws4.C

C. Ricci, M. Saracino,
M. Pagani

Anhydrobiosis: The response of
bdelloid rotifers and
nematodes

** Ws4.D

M. Balsamo

Relationships between
hermaphroditism and
parthenogenesis in
Gastrotricha

** Ws4.E

R. Bertolani

Current knowledge on
parthenogenesis in tardigrades

M. Sabelis:

Evolution of male haploidy in mites

** Ws4.F

L.J. Weider

Parthenogenesis and evolution
in the *Crustacea*

** Ws4.G

F. Tinti, V. Scali

Cytology of the hybridogenetic
parthenogenetic *Bacillus whitei*
(Insecta: Phasmatodea)

L. Borkin	Parthenogenesis in <i>Amphibia</i>
T. Sokolova	Parthenogenesis in <i>Reptilia</i>
** Ws4.H	
J. Heller	Sexual and parthenogenetic populations of a snail

Round table discussion

Tuesday 9³⁰ - 12³⁰
Room C

Graham Bell

Some remarks and introduction to
the general discussion

Discussion on:

- Degree of phenotypic and genetic variability in various groups of parthenogens
- Explanations for the maintainance of this variability
- The evolutionary fate of parthenogens

**Workshop 5:
RESOURCE-HABITAT SELECTION,
METAPOPULATION AND SYMPATRIC
SPECIATION IN ANIMALS**

Organizer: J.R.David

Monday 9³⁰ - 12³⁰
Room A

As the program is still being organized, see last minute changes.

** Ws5.A

P. Arduino, L. Bullini,
R. Spampinato, S. Barbagallo

Genetic heterogeneity and host
specialization in *Hyalopterus*
aphids

** Ws5.B

M. Barbiero, G. Bavestrello,
E. Sabatino, M. Sara

Morphological, ecological and
reproductive differences in
two electrophoretically
detected species of *Cliona*
(Porifera, Demospongiae)

** Ws5.C

J.R. David

Microspatial variation and
habitat preference in
Drosophila: Maintenance of
polymorphism or sympatric
speciation?

(** Ws5.D) - see ** PoCI.8

A. Sansotta, F. Corsi,
M.G. Minasi, V. Sbordoni

Genetic structure of
populations in fragmented
habitats: Cave crickets in
etruscan tombs

Workshop 6: SUBDIVISION OF SPECIES

Organizers: Godfrey Hewitt & Jacek Szymura

Wednesday 9³⁰ - 12³⁰
15³⁰ - 18³⁰
Room A

Talks 10 minutes each - discussion controlled by chairman

Introduction

G. Hewitt The phenomenon and some questions arising

Complex animal species

Valerio Sbordoni Species structure in cave crickets
Jacek Szymura Distribution and history of fire-bellied toads

** Ws6.A
P. Boursot, W. Din,
F. Bonhomme The house mouse as a ring species: Radiation from the Indian cradle and the formation of hybrid zones

Peter Mazzoglio Hybridisation in the leaf hopper genus *Zyginidia*

Plant divergence and origins

**** Ws6.B**

S. Jain

Variation patterns and races - some fun and games in dealing with annual plant species

(** Ws6.C) - see **PoG.9

R.J. Abbott, P.A. Ashton

Introgressive origin of radiate groundsel: *Aat-3* evidence

**** Ws6.D**

R. Cianchi, P. Arduino, L. Bullini, B. Corrias, W. Rossi

Natural hybridization and its evolutionary consequences in the genus *Orchis*

mtDNA

**** Ws6.E**

B.V. Pedersen

Bumblebees and cuckoo bumblebees, a phylogenetic analysis based on mtDNA sequences

**** Ws6.F**

O. Folmer, P. Arctander

The origin of Berthelot's Pipit and the species status of rock and water Pipit revealed by mtDNA sequences

Frog hybrids

** Ws6.G

G. Gollmann, B. Gollmann

Morphological and life history variation across a hybrid zone in frogs of the *Geocrinia laevis* complex

** Ws6.H

F. Santucci, G. Nascetti,
L. Bullini

Species subdivision within the green frog *Rana lessonae* from Italy

** Ws6.I

A. Verardi, G. Nascetti,
L. Bullini

Introgression between Italian and Balkanic *Hyla arborea*

Insect hybrids

** Ws6.J

S. Urbanelli, P. Sallicandro,
E. de Vito, L. Bullini

Reproductive isolation and introgression between beetles of the *Ochthebius quadricollis* complex (Coleoptera, Hydraenidae)

D. Cezaroni

Butterfly species hybrids (provisional title)

A. Scholl

Millipedes and bumblebees (provisional title)

Fish

A. Kozahara

Microphylogeny of fish species

Discussion

Workshop 7:
GENETIC DIVERSITY AND
MICROEVOLUTION

Organizers: Ágnes Major and Katalin Pecsénye

Morning session*Thursday 9³⁰ - 12³⁰*

Chairperson: Eviatar Nevo

General introduction:**** Ws7.A**

E. Nevo

Genetic diversity in nature at
the protein and DNA levels:
Patterns and theory**** Ws7.B**A.E. Szmidt, X-R. Wang,
A. SigurgeirssonGenetic diversity and
speciation patterns in *Pinus*
and *Picea***** Ws7.C**P.W. Hedrick, T.S. Whittam,
P. ParhamHeterozygosity at individual
amino acid sites: Extremely
high levels for HLA-A and B
genes

** Ws7.D

A. Atlan, D. Manicacci,
D. Couvet

Molecular evolution of plant
mitochondria and its
consequences for mating system
variation and colonizing
ability

** Ws7.E

L. Bullini, S. Urbanelli

Adaptive significance of
cytoplasmic glutamate-oxalo-
acetate transaminase polymorphism
in the mosquito *Culex pipiens*

Afternoon session

Chairperson: Philip Hedrick

Thursday 15³⁰ - 18³⁰

** Ws7.F

K. Pecsenye, B.E. Giles,
L.P. Lefkovitch, A. Saura

Ethanol stress versus
adaptation to ethanol

** Ws7.G

L. Bullini, G. Nascetti,
R. Cianchi, L. Paggi,
P. Orecchia, S. Mattiucci,
S. D'Amelio, B. Berland

Genetic variation and life
cycle of endoparasitic
nematodes

** Ws7.H

A. Westerbergh

Does serpentine have an effect
on the population structure of
Silene dioica (Caryophyllaceae)?

**** Ws7.I**

F. Pulido, P. Berthold

Migratory behaviour and its consequences for the genetic structure of blackcap (*Sylvia atricapilla*) populations

**** Ws7.J**

R. Cimmaruta, G. Nascetti,
L. Bullini

Genetic structure and microevolution of some European plethodontid salamanders

Workshop 8: POPULATION GENETICS IN CONSERVATION

A re-examination of models and recommended applications

Organizer: Subodh Jain

Tuesday 9³⁰ - 12³⁰
Room A

G. Vida

Introduction

**** Ws8.A**

Y.P. Altukhov

Genetic changes in natural populations under anthropogenic pressures

**** Ws8.B**

K. Bijlsma, R. van Treuren,
N.J. Ouborg

On the consequences of genetic erosion for population extinction

- ** Ws8.C
N.J. Ouborg, R. van Treuren Inbreeding depression and population extinction: Does cross fertilization of disciplines lead to viable ideas?
- ** Ws8.D
M. Morgante, G.G. Vendramin A population genetics approach to the conservation of gene resources in *Pinus leucodermis* ant
- ** Ws8.E
D. Couvet, J. Ronfort Inbreeding effects in small populations: The role of the metapopulation structure
- ** Ws8.F
W. Gabriel, R. Buerger Mutational melt-down: Extinction of small populations under mutational load and demographic stochasticity
- ** Ws8.H
J.R. David, J.P. Henry, A. Gallais, P.H. Gouyon Dynamic management of genetic resources: An experiment and some questions
- ** Ws8.G
S. Jain Genetic and demographic variables in conservation
- V. Loeschcke Some overview remarks

Workshop 9

MEASURING SELECTION IN HETEROGENEOUS ENVIRONMENTS

How to aggregate data? Are the problems different for spatially and for temporally heterogeneous environments?

Organizer: Arie van Noordwijk

Thursday 15³⁰ - 18³⁰

Room C

Round table discussion

** Ws9

A. van Noordwijk

Introduction

Workshop 10:

HOST-PARASITE INTERACTIONS

Organizer: Jacqui Shykoff

Wednesday 8³⁰ - 11³⁰

Room B

- Short talks, lots of discussion
- Participants are given in alphabetical order

** Ws10.A

A. Biere, J.van Damme

Costs of avoidance in a plant-pathogen system: *Silene alba* and the anther smut fungus *Ustilago violacea*

** Ws10.B

L. Bullini

Coadaptive aspects of parasitic castration of the stick insect *Clonopsis gallica* by the tachinid fly *Thrixion halidayanum*

** Ws10.C

S. Gates

Avoidance of self-superparasitism
by the parasitoid *Antrocephalus*
pandens walker

** Ws10.D

B. Hellriegel

How does the human immune
system affect competition
between malaria parasite
genotypes?

** Ws10.E

A.R. Kraaijeveld,
J.J.M. van Alphen

Asobara tabida vs *Drosophila*
melanogaster: A coevolutionary
arms race?

** Ws10.F

B.R. Levin

Workshop 11

C. ELEGANS RESEARCH AND EVOLUTION

Organizers: András Fodor, István Andrassy

Monday 9³⁰ - 12³⁰

Room C

Morning session

I. Andrassy

Opening remarks

** Ws11.A

G. Nunn, K. Thomas

Nematode molecular
phylogenesis

**** Ws11.B**

A. Coulson et al.

The genome of *Caenorhabditis elegans*

**** Ws11.C**

J.R. Vanfleteren

Timing the origin of the nematodes

Evening session

Monday 20⁰⁰

Room C

**** Ws11.F**

A.H. J. Burr

Constraints, and possibilities, for eye structure and light-sensitive behavior in nematodes

**** Ws11.D**

E. Geraert

Evolution in hoplolaims
(Nematoda: Tylenchida)

**** Ws11.E**

J.R. Vanfleteren

Anti-oxygenic enzyme activities and life span in *Caenorhabditis elegans*

Round table discussion

Tuesday 20⁰⁰

Room C

Evolutionary aspects of

- Genom analyses
- Presence of unexpressed genes (globins, etc.)
- Cell lineage variations
- Sex determination and dosage compensation
- The phylogenesis of Nematoda
- Bact/Nema Symbiosis

Workshop 12: ADAPTATION IN A STOCHASTIC ENVIRONMENT

Organizers: Jin Yoshimura, Éva Kisdi, Géza Meszéna
Chair: Dan Cohen

Afternoon session

Wednesday 15³⁰ - 18³⁰

Room B

** Ws12.A

D. Cohen

What is selected for when
fitness varies? (Introduction)

** Ws12.B

S. Orczak

The evolution of life
histories in variable
environments

** Ws12.C

E.S. Menges

Effects of stochastic
environments on extinction of
plant populations

** Ws12.D

É. Kisdi, G. Meszéna

Life history evolution with
fluctuating demographic
parameters

COFFEE BREAK

** Ws12.E

C.W. Clark, J. Yoshimura

Response to risk: A stochastic
evolutionary game

** Ws12.F
S.R. Beissinger

Quantifying environmental variability, and its relationship to parental behaviour and population viability

Discussion

Morning session

Thursday 9³⁰ - 12³⁰
Room B

** Ws12.G
N.G. Hairston

Maintenance of phenotypic variation in a fluctuating environment

** Ws12.H
W. Hazel, R. Smock

A genetic model for conditional strategies: Applications and implications

** Ws12.K
J.G. Stevenster,
J.J.M. van Alphen

A life history trade off in *Drosophila* and its implications for coexistence

COFFEE BREAK

** Ws12.I
D. Cohen

The EES of sampling and learning by foraging bees

** Ws12.J
J. Yoshimura, C.W. Clark

Adaptation under uncertain fluctuations

Discussion

Workshop 13: EVOLUTIONARY QUANTITATIVE GENETICS

Organizer: Sergey Gavrilets

Thursday 15³⁰ - 18³⁰

Room B

** Ws13.A

J.J. Windig

Genetic background of
plasticity in wing pattern of
a tropical butterfly

** Ws13.B

D. Ebert, L. Yampolsky

Analysing genetics of reaction
norms in *Daphnia magna*

** Ws13.C

A. Vasin

Stable phenotypic structures
and models of population
adaptation

** Ws13.D

L. Yampolsky

Experimental study of
genotype-environment
interactions in *Daphnia magna*

** Ws13.E

S. Gavrilets

The maintenance of polygenic
variability: Arbitrary
strength of selection

Workshop 14: OPTIMAL ENERGY ALLOCATION

Organizers: Richard Sibly, Jan Kozlowski *Monday 9³⁰ - 12³⁰*
15³⁰ - 18³⁰

- Preliminary program, contributions are listed in alphabetical order.

** Ws14.A

T.J. Kawecki

Age and size at maturity in a
 patchy environment: Maximization
 of fitness measure versus
 evolutionary stability

** Ws14.B

T.J. Kawecki, S.C. Stearns

The evolution of life histories in
 spatially heterogenous environments
 Optimal reaction norms revisited

** Ws14.C

É. Kisdi

Negative correlation = trade off?
 Modelling individual optimization

** Ws14.D

J. Kozlowski

Optimal allocation of energy
 to growth and reproduction in
 a seasonal environment: A null
 model for studying the effect
 of seasonality

** Ws14.E

G. Meszéna

Remarks on density-dependent
 optimization

** Ws14.F

B.E. Taylor, W. Gabriel

Models for optimal growth and reproduction of *Daphnia*

Workshop 15: THE TRANSFORMATION OF FORMS AND SYMMETRIES IN EVOLUTION

Organizers: Béla Lukács, István Molnár

Wednesday 15³⁰ - 18³⁰

Room C

** Ws15.A

B. Lukács

Geometrical symmetries of biological forms

** Ws15.B

I. Molnár, J. Verhás

Evolutionary conservation of a morphogenetic mechanism

** Ws15.C

Á. Holba, B. Lukács,
I. Molnár

Spatiotemporal reconstruction of *C. elegans* cell lineage by computer and its evolutionary implications

** Ws15.D

Sz. Bérczi

Symmetry and topology in cellular automata transformations I.: A topologic model of the Fibonacci plant structures

- ** Ws15.E
Sz. Bérczi Symmetry and topology in cellular automata transformations II.: Closed double-threads with different topologies
- ** Ws15.F
L. Kordos Symmetry and asymmetry in the evolution of vertebrates
- ** Ws15.G
L. Kordos Morphological heterochronism in human evolution
- ** Ws15.H
Á. Holba, B. Lukács Lateralization of human brain as spontaneous symmetry breaking

Workshop 16

MATHEMATICAL PROBLEMS OF THE THEORY OF EVOLUTION

Organizer: Yuri Svirezhev

Tuesday 20⁰⁰
Room B

Round Table Discussion with invited contributions

** Ws16

Y. Svirezhev

Introduction

POSTERS

PoA	GENOME EVOLUTION	W
PoB	EVOLUTIONARY CYTOGENETICS	
PoBI	Karyotype evolution	T
PoBII	Other evolutionary cytogenetic studies	W
PoC	PHENOTYPIC AND GENETIC VARIABILITY WITHIN SPECIES	
PoCI	Ecological aspects	W
PoCII	Human population genetics	T
PoCIII	Morphological traits	T
PoD	MATING SYSTEMS AND LIFE-HISTORY STRATEGIES IN PLANTS	T
PoE	ANIMAL MATING PATTERNS AND PARTHENOGENESIS	T
PoF	ANIMAL LIFE-HISTORY EVOLUTION	T, W
PoG	HYBRID ZONES AND SPECIATION	T
PoH	MOLECULAR PHYLOGENETICS	
PoHI	Use of mtDNA	W
PoHII	Other studies in molecular phylogenetics	T
PoI	EVOLUTIONARY MORPHOMETRY	W
PoJ	MODELLING EVOLUTIONARY PROCESSES	
PoJI	Evolution in structured populations	W
PoJII	Other models on evolution	T
PoK	ECOLOGICAL STUDIES AND EVOLUTION	T
PoL	IDEAS ON EVOLUTION	W

Posters can be stuck to the poster panels starting from Monday at 12³⁰. Please attend your presentation board from 15³⁰ to 18³⁰ on Tuesday and from 11³⁰ to 12³⁰ on Wednesday. Poster presentations in small discussion groups are scheduled for 16³⁰-18³⁰ on Tuesday (sessions signed T) and 11³⁰-12³⁰ on Wednesday (W). Please be prepared for summarizing your poster in 5-10 minutes and for answering "stupid" questions.

Poster Session A GENOME EVOLUTION

** PoA.1

S. Rodin, A. Rzhetsky

Multigenic families:
relay-race coevolution and
recapitulation

** PoA.2

M. Solignac, J-M. Cornuet,
L. Garnery

Putative origin and function
of the COI-COII intergenic
region of *Apis mellifera L.*
mitochondrial DNA

** PoA.3

M.S. Rossi, O.A. Reig,
A. Kornblit, J. Zorzópolos

Retroviral like-features in
the monomer of the major
satellite DNA from South
American rodents of the genus
Ctenomys

** PoA.4

F. Rousset, M. Pélandakis,
M. Solignac

The evolution of compensatory
substitutions in *Drosophila*
ribosomal RNA

** PoA.5

L. Bachmann, E. Venanzetti,
V. Sbordoni

Evolution of satellite DNA in
Dolichopoda cave crickets

**** PoA.6**

Yu.G. Matushkin, S.N.Rodin

Coevolution between genome and genome parasites as a way towards the genomes complication

**** PoA.7**

V.G. Gorshkov

Evolution of prokaryotes and eukaryotes

**** PoA.8**

T. Naas, M. Blot, W. Arber

Distribution of insertion sequences (IS) on the chromosome of *E. coli*: Evolution over 20 years

Poster Session B: EVOLUTIONARY CYTOGENETICS

I. Karyotype evolution

**** PoBI.1**

S. Grozeva, V. Kuznetsova

Karyotype evolution in some groups of the pentatomomorphan bugs (Insecta, Heteroptera)

**** PoBI.2**

J. Baršienė

Chromosome sets of *Trematodes*: their evolution, phylogeny, relationships with first intermediate hosts

- ** PoBI.3
L. Galleni, R. Stanyon
Heterochromatin and speciation
in *Microtus savii*
(Rodentia, Arvicolidae)
- ** PoBI.4
S. Heppich-Tunner,
H.G. Tunner
Spermatogenesis in triploid
hybridogenetic frogs (*Rana esculenta*)
- ** PoBI.5
A. T. Toktosunov
Ecological mechanisms of the
polyploidy, aneuploidy and
heteroploidy display by the
ground vertebrates of
Tien-Shan
- ** PoBI.6
E. Mazik
Cytogenetic aspect of the
species variety of Tien-Shan
fishes
- ** PoBI.7
P.V. Michailova
Speciation in the fam.
Chironomidae, Diptera.
Cytogenetics evidence
- ** PoBI.8
A.G. Bugrov
The neo-XY sex determination
in Pamphagid grasshoppers

** PoBI.9

I. Schubert, I-D. Adler,
G. Schriever-Schwemmer

Evolution of diploid
chromosome numbers is
accompanied by
duplications/deletions

** PoBI.10

I. Pintér

Allopolloid nature of *Ceterach*
aureum (Cav.) Buch

II. Other evolutionary cytogenetic studies

** PoBII.1

J.J. Schneller

Is *Asplenium ruta-muraria* L.
ssp. ruta-muraria
(Aspleniaceae; Pteridophyta)
autopolyploid?

** PoBII.2

M. Hajós-Novák, A. Bálint,
A.H. Nagy

Isozymes and their importance
for breeding tetraploid corn

** PoBII.3

L.W. Beukeboom, J.H. Werren

Genetics of the parasitic PSR
chromosome in *Nasonia*
vitripennis

** PoBII.4

R. Stanyon, J. Wienberg,
T. Cremer, F. Bigoni,
S. Tofanelli

Establishing homology between
human and primate chromosomes
by *in situ* suppression
hybridization

**** PoBII.5**

E.V. Volpi, F. Pelliccia,
V. Lanza, M. di Castro,
A. Rocchi

A variant of ribosomal genes
is clustered on the sex
chromosome of *Asellus*
aquaticus (Crust.Isop.) males

**** PoBII.6**

J.E. Fairbrother,
A.R. Beaumont

Triploidy induction: a novel
tool for investigating
heterosis in *Mytilus edulis*

Poster Session C: PHENOTYPIC AND GENETIC VARIABILITY WITHIN SPECIES

I. Ecological aspects

**** PoCI.1**

L.J. Weider

Disturbance, competition, and
the maintenance of clonal
diversity in obligately
parthenogenetic *Daphnia pulex*

**** PoCI.2**

M. Mattoccia, D. Cesaroni,
P. Matarazzo, M. Masci,
V. Sbordoni

Advances in the genetic
structure of *Tapes* clams

** PoCI.3
S. Volodin

Electrophoretic investigations
of Black Sea fishes and their
perspectives

** PoCI.4
F. Scapini, E. de Matthaeis,
M. Mattoccia, M. Buiatti

Genetic diversity and
orientation behaviour in
natural populations of the
sandhopper *Talitrus saltator*

** PoCI.5
M. Veith, A. Seitz

The effect of rivers on the
differentiation of salamander
populations

** PoCI.6
Á. Major, K. Dobolyi,
E. Korbuly

Genetic structure of
populations of *Achillea*
nobilis L. and *Achillea*
ochroleuca Ehrh. in Hungary

** PoCI.7
M. Capula, G. Nascetti,
L. Bullini

Allozyme variation in *Podarcis*
filfolensis: Biogeographic
inferences from
electrophoretic data

** PoCI.8
A. Sansotta, F. Corsi,
M.G. Minasi, V. Sbordoni

Genetic structure of
populations in fragmented
habitats: Cave crickets in
Etruscan tombs

** PoCI.9

V. Sbordoni, G. Allegrucci,
F. Baldari, D. Cesaroni

Evolutionary relationships
among cave and surface
crayfish from Chiapas
(Mexico)

** PoCI.10

T. Pavlicek

Genetic diversity and width of
host plant spectrum of
phytophagous insects

** PoCI.11

F. Pulido

Isolation by distance as possible
cause for geographic variation in
birds?

** PoCI.12

G. Vecseri, J. Búza, A. Fodor

An unusual mutant of
Chaenorhabditis briggsae (G16)

** PoCI.13

M. Harry

Genetic differentiation
between populations of
Rhodnius prolixus, a main
vector of Chagas' disease in
Venezuela

II. Human population genetics

** PoCII.1

K.M. Ikramov

Relationship between heterozygosity and variation of anthropometric traits in human populations

** PoCII.2

S. Presciuttini, R. Iuliano

VNTR loci and human microevolution

** PoCII.3

J. Béres, B. Tóthmérész

Genetic structure of 12 Hungarian ethnic groups

III. Morphological traits

** PoCIII.1

D. Guerra, A. Mondin,
S. Cavicchi, R. Costa,
G. Giorgi, D. Bovo,
L.A. Zonta

Transposable element-induced variability and response to environmental selection in *D. melanogaster* quantitative traits

** PoCIII.2

E. Makeeva

Drosophila population response to artificial selection for morphosis frequency

** PoCIII.3

A. Hernández, A. Moya,
F. González-Candelas

Quantitative traits in serially bottlenecked flies

** PoCIII.4

V.V. Kalnin, O.V. Kalnina

The study of correlations between the morphological variation components with allozyme heterozygosity in European anchovy

** PoCIII.5

M.E. Malvolti, C. Paoletti,
S. Fineschi, M. Paciucci,
F. Cannata

Morphological variability in *Juglans regia L.*

** PoCIII.6

F. Villani, B. Schirone,
M. Cherubini

Morphological and genetic variation in *Castanea sativa Mill.* from Turkey

** PoCIII.7

M. Klein, A. Seitz

Subspecies in the weevil *Rhinocyllus conicus*: concordance of electrophoretic and morphometric data

** PoCIII.8

I. Togan, F. Ülkü, A. Kence

Developmental stability in F1 to F39 hybrids of isolated housefly populations

** PoCIII.9

A. Lazányi

Experimental induction of a Darwinian gradual evolutionary variation in *Arabidopsis thaliana*

** PoCIII.10

E.E. Loboda, I.S. Filimonov,
E.E. Zagorukò

Modificational variability of
haemopoetic cells of *Amphibia*,
Reptilia and *Aves* under
radiation exposure

Poster Session D: MATING SYSTEMS AND LIFE-HISTORY STRATEGIES IN PLANTS

** PoD.1

D. Manjacci, M.A. Réglade,
A. Atlan, J.A.E. Rosello,
D. Couvet

Sex allocation in
hermaphrodite individuals in
gynodioecious species: Intra-
and inter-specific comparisons
in the genus *Thymus*

** PoD.2

H.P. Koelewijn

Intra-population gender
variation in *Plantago*
coronopus

** PoD.3

T.P. Hauser

Effects of inbreeding in
Lychnis flos-cuculi
(Caryophyllaceae): Two
generations of selfing

** PoD.4

C. Damgaard, D. Couvet,
V. Loeschcke

Partial selfing as an optimal
strategy

** PoD.5

H. Korpelainen

Patters of resource allocation
in *Rumex acetosa* and
R. acetosella

** PoD.6

N.J. Ouborg

Population size as threshold
for infection of seeds of
Salvia pratensis

** PoD.7

V. Salonen

Availability of light and
space affects growth and
reproduction in *Rubus*
saxatilis L.

** PoD.8

A. Lammi, M. Kuitunen

Effects of viability on
flowering, it's timing and
reproductive success in two
Marsh-Orchids

** PoD.9

P. Meerts

Life history and niche
differentiation between two
cytotypes ($2n=4x=40$, $2n=6x=60$)
of *Polygonum aviculare* in a
fallow field

Poster Session E: ANIMAL MATING PATTERNS AND PARTHENOGENESIS

** PoE.1

E. Heikkinen, J. Lumme

Genetics of mate choice in
Drosophila

** PoE.2

A. Barbadilla, A. Ruiz,
M. Santos, A. Fontdevila

Adult selection on inversion
polymorphism in a natural
population of *Drosophila*
buzzatii

** PoE.3

J.E. Quezada-Diaz, M. Santos,
A. Ruiz, A. Fontdevila

Random mating in a structured
natural population of
Drosophila buzzatii

** PoE.4

M.D. Ochando, A. Reyes,
M.C. Molina, J. Sánchez

Astonishing high rate of
multiple paternity in a
natural population of
Drosophila melanogaster

** PoE.5

M. Klinkicht, K. Rassmann,
W. Arnold, D. Tautz

DNA-fingerprinting in marmot
populations

** PoE.6

C. Schlötterer, B. Amos,
D. Tautz

Population structure and
mating system of the pilot
whale *Globicephala melas*

** PoE.7

L. Bullini

The origin and evolution of
thelytokous parthenogenesis:
Spontaneous versus hybrid
theory

** PoE.8

G. Nascetti, R. Cianchi,

L. Bullini

Genetic variation in hybrid
and non-hybrid parthenogenetic
stick-insects (Insecta,
Phasmatodea)

** PoE.9

B. Mantovani, V. Scali

From hybridogenesis to
parthenogenesis in the genus
Bacillus (Insecta, Phasmatodea)

** PoE.10

C. Bressac, D. Joly,

D. Lachaise

Other ways of being
anisogamous in *Drosophila*

Poster Session F: ANIMAL LIFE-HISTORY EVOLUTION

** PoFI.1

P. Spaak, R. Hoekstra

Life histories and field observations of co-existing *Daphnia* species and their hybrids

** PoFI.2

D. Berrigan, S.J. Locke

Body size and reproductive effort in male flesh flies

** PoFI.3

J. Boulétreau-Merle

Genetic variations in retention duration and ovarian activity kinetics in virgin *D. melanogaster* females

** PoFI.4

J. Boulétreau-Merle

Two ways for geographical expansion

** PoFI.5

X. Chen, B. Baur

Multiple mating and reproductive success in the simultaneously hermaphroditic land snail *Arianta arbustorum*

** PoFI.6

L. De Bruyn

Habitat predictability and lifecycle strategies in the genus *Lipara* (Diptera; Chloropidae)

** PoFI.7

V. Rossi, P. Menozzi

The clonal ecology of *Heterocypris incongruens* (Ostracoda)

** PoFI.8

J. Jokela, P. Palokangas

Freshwater clam *Anodonta piscinalis* (Nills.) uses chemical cues to recognize the host

** PoFI.9

J. Mappes, I. Makela

Response of ovipositing water-lilly beetle females on egg laying by other females

** PoFII.1

T. Mappes, H. Ylönen,
J. Viitala

Kinship effect on social behaviour and population growth in bank voles *Clethrionomys glareolus*

** PoFII.2

J. Pusenius

Phenotypic plasticity in spacing behaviour and adaptation of reproduction to changing conditions in field vole (*Microtus agrestis*)

** PoFII.9

L. Witting, V. Loeschcke

Demography and stochastic extinction in paleartic geese populations

Poster Session G: HYBRID ZONES AND SPECIATION

** PoG.1

M. Lörtscher, H. Geiger,
A. Scholl

Evidence of gene flow within three species of the *Erebia tyndarus*-group (Lepidoptera: Satyridae)

** PoG.2

B. Dod, L. Jermin, P. Boursot,
V. Chapman, J.T. Nielsen,
F. Bonhomme

Selection and recombination in a mouse hybrid zone:
Introgression patterns of X chromosome genes

** PoG.3

M. Capula, G. Nascetti,
L. Bullini

Two hybrid zones between *Podarcis sicula* and *P. wagleriana* (Reptila: Lacertidae): Pattern and differences

** PoG.4

X-R. Wang

Genetic evidence for hybrid speciation of *Pinus densata*

** PoG.5

A. Scholl, A. Pedroli-Christen

Genetic population strucrure
in the genus *Rhymogona*
(Diplopoda: Craspedosomatidae):
Enzyme electrophoretic data

** PoG.6

A. Scholl, E. Olbrecht

Enzyme electrophoretic
comparison of parapatric
Bombus argillaceus and
B. ruderatus (Hymenoptera:
Apidae), with special
reference to populations from
contact zones

** PoG.7

O.V. Kalnina, V.V. Kalnin

Allozyme polymorphism and
reproductive interactions of
Asov and Black Sea races of
European anchovy

** PoG.8

M. Oliverio

Larval ecology and speciation
of marine prosobranchs
(Mollusca, Gastropoda)

** PoG.9

R.J. Abbott, P.A. Ashton

Introgressive origin of radiate
groundsel: *Aat-3* evidence

Poster Session H: MOLECULAR PHYLOGENETICS

I. Use of mtDNA

** PoHI.1

C. Biju-Duval, N. Dennebouy,
H. Ennafaa, M. Monnerot,
J.C. Mounolou

Lagomorph mitochondrial DNA
evolution. Systematic
heteroplasmy in *Leporid* family

** PoHI.2

L. Nigro, M. Solignac

Evolution of the mitochondrial
ribosomal RNA in the oriental
species subgroups of
Drosophila

** PoHI.3

P. Boursot, F. Palacios,
G. Perez-Suarez

Speciation and paraphyletism
in hares: mtDNA evidence

** PoHI.4

F. Vanlerberghe

Polymorphisms in mitochondrial
DNA of parasitic wasps used as
biological control agents

** PoHI.5

C. Miller, S.M. Carr

Variation in mtDNA in
introduced chamois populations

** PoHI.6

P.Vl. Michailova

DNA amplification and
microevolution of fam.
Chironomidae, Diptera

** PoHI.7

M. Monnerot

Organization of diversity in
European rabbits

II. Other studies in molecular phylogenetics

** PoHII.1

I. de Baere, L. Lu,
J. van Beeumen, L. Moens

The haemoglobin of *Ascaris*
suum

** PoHII.2

C. Fracasso, M. Rizzotti

A molecular contribution to
fish phylogeny

** PoHII.3

S. Pelger

The evolution of the hordein
gene family

** PoHII.4

F.M. Catzeflis

Molecular systematics in
mammals: a comparison of
isozyme electrophoresis and
DNA hybridization data for
reconstructing the phylogeny
of the genus *Mus* (Muridae:
Rodentia)

** PoHII.5

D. Cesaroni, M. Lucarelli,
F. Russo, V. Sbordoni

A multidimensional approach
to the systematics of
Hipparchia butterflies

**** PoHII.6**

M. Oliverio, E. de Matthaeis,
A. Hallgass

Genetic vs. morphological
divergence of Italian
Marmorana snails (Mollusca,
Pulmonata, Helicidae)

**** PoHII.7**

R. Fochetti

Genetic divergence, phylogeny
and biogeography of several
species of Mediterranean
Plecoptera

**** PoHII.8**

É. Jako, M. Ujhelyi, F. Antoni

Evolutionary distances between
tRNA isoacceptors determinated
by Boolean algebraic method

**** PoHII.9**

G. Lozovaya, Z. Masinovsky,
A. Sivash

Modelling of the initial
photobiological systems based
on Protoporphyrin IX

**** PoHII.10**

H.L.V. Le, G. Lecointre,
H. Philippe, A. Adoutte

A RNA based molecular
phylogeny of lower
vertebrates: Confrontation
with morphologically based
cladograms

**** PoHII.11**

A.H.J. Burr, D.L. Campbell

Implications of eye features and
opsin sequences for the evolution
of *Nematodes*

Poster Session I: EVOLUTIONARY MORPHOMETRY

** PoI.1

G. Topál

Studies on the morphology and
microevolution of Lower
Pleistocene bats (*Chiroptera*)
in Hungary

** PoI.2

C.R. Largiadèr

Multivariate analysis of
morphometric variation of two
subspecies of the waterstrider
Gerris costae (Heteroptera:
Gerridae) in the Alps and the
Apennines

** PoI.3

A. Demeter

Allometry and morphological
integration in the skull of
rodents

** PoI.4

H.S. Koh

Morphometric analyses with
samples of eight subspecies of
stripped field mice, *Apodemus*
agrarius Pallas (Rodentia,
Mammalia), in Asia

** PoI.5

J-C. Auffray, D. Darviche,
K. Aaris-Sørensen

Multivariate determination of
the specific and subspecific
status of *Mus* fossils

** PoI.6

E. Cirot

The arctoids carnivora:
Comparison of some
paleontological and molecular
data

Poster Session J: MODELLING EVOLUTIONARY PROCESSES

I. Evolution in structured populations

** PoJI.1

M. Blank

Analysis of transient genetic
dynamics of metapopulations

** PoJI.2

V.V. Khramtsov

Genetical divergency and
polymorphism in subdivided
population with self-limita-
tion, competition and a stable
migration pattern

** PoJI.3

F. Spirito, M. Rizzoni,
C. Rossi

Establishment of underdominant
chromosome rearrangements in
multideme systems with
interdeme migration and local
extinction and recolonization

- ** PoJI.4
O. Gaggiotti Maintenance of sex in a heterogeneous environment
- ** PoJI.5
E. Kisdi, G. Meszéna Contest competition in a stochastic environment:
Disadvantage of the rare type
- ** PoJI.6
L.W. Beukeboom, J.H. Werren Population dynamics of the parasitic PSR chromosome in *Nasonia vitripennis*
- ** PoJI.7
M.V. Smirnov The evolution of gene frequencies in age-structured populations under weak selection
- II. Other models on evolution**
- ** PoJII.1
M.A. Semenov On the role of mutator genes in the evolution process
- ** PoJII.2
A.V. Rubanovich Population models with the large number of loci
- ** PoJII.3
V.P. Passekov On some non-random encounter models in population biology

**** PoJII.4**

L.L. Ovsyannikov,
V.P. Passekov

Energetics, extremum
properties and evolutionary
optimality of character values
in a consumer-resource model

**** PoJII.5**

J. Uchmanski, A. Hoffman

Coevolution in two-species
ecosystems

**** PoJII.6**

P. Marrow, R. Law,
C. Cannings

Coevolution in food webs

**** PoJII.7**

S. Kövér, E. Szathmáry

Theoretical tests of the DNA
repair and mutation theories
of sex

**** PoJII.8**

V.G. Gorshkov, S.G. Sherman

Stability of species and
sexual dimorphism

**** PoJII.9**

K. Martinás, I. Molnár

Models for soma-germ
evolutionary interactions in
Volvox

Poster Session K: ECOLOGICAL STUDIES AND EVOLUTION

** PoK.1

I. Horáček

Community dynamics vs. life trait pattern in response to the environmental fluctuations

** PoK.2

P. Joly

Water odour preference and population isolation in newt

** PoK.3

P. Mutikainen, M. Walls

Herbivory affects growth, reproduction and defence in stinging nettle

** PoK.4

E.G.A. Linders, J.H.B. Turin,
C.G. Bruggeman, J.M.M. van
Damme

Interaction between the plant *Plantago lanceolata*, the fungus *Phomopsis subordinaria* and the weevil *Ceutorhynchidius troglodytes*

** PoK.5

E.J. Godzińska

Dorsal light reflex in bumblebees, and its importance for bumblebee-plant coevolution

** PoK.6

Z.S. Varga

Biogeographic patterns of speciation in some Xeromontane *Noctuidae* (Lepidoptera) genera

** PoK.7

S. Komarek

Evolution of the eye spots in the wing patterns of the family *Spingidae*

** PoK.8

F. Samu, Z. Bíró

Functional response of *Pardosa hortensis*: Do wolf spiders respond to changes in prey density?

** PoK.9

F. Peris, J.E. Quezada-Díaz,
A. Barbadilla, A. Ruiz,
M. Santos, A. Fontdevila

Non-random larval feeding but lack of habitat choice in the cactophilic fly *Drosophila buzzatii*

** PoK.10

M. Pascual, L. Serra

Distribution of *D. subobscura* in North America and comparison with other *Drosophila* species

** PoK.11

V. Albergoni, A. Cassini,
M. Favero

Antioxidant enzymes in Antarctic marine organisms exposed to high and low partial pressure of oxygen

** PoK.12

D. Frynta, A. Exnerová,
J. Ciháková

Species discrimination based
on olfaction in males of
related mice species

Poster Session L: IDEAS ON EVOLUTION

** PoL.1

R. Heerkloss

The analogy between the
evolution of eusexuality in
eucaryotic cells and
anthropogenesis

** PoL.2

N.N. Iljenko, L. Malinovsky

Adaptation and evolution

** PoL.3

V.G. Gorshkov

Local adaptation and evolution

** PoL.4

M.R. Mehandjiev

Biological evolution as result
of protective mechanism action
of biosystems

List of Participants

Abbott, Richard
 Dept. of Biology & Preclinical
 Medicine
 St Andrews University
 Mitchell Building
 St. Andrews FIFE KY16 9TH
 UK

Addicot, John
 Dept. of Zoology
 University of Alberta
 CW-312 Biol. Sci. Centre
 Edmonton T6G 2E9
 Canada

Altukhov, Yuri P.
 N.I. Vavilov Institute of General
 Genetics
 USSR Academy of Sciences
 Moscow, 117333
 USSR

Andrássy, István
 Dept. of Zoology
 Eötvös University
 Puskin u. 3.
 1088 Budapest
 Hungary

Anxolabehere, Dominique
 Dept. de Genetique
 Univ. Paris-6-CNRS
 4 place Jussieu
 Paris , 75005
 France.

Arctander, Peter
 Inst. of Population Biology
 Copenhagen University
 Universitetsparken 15
 Copenhagen 0 ,2100
 Denmark

Arduino, Paola
 Dip. di Genetica e Biologia
 Molecolare
 Via Lancisi ,29
 Roma 00161
 Italy

Atlan, Anne
 CEPE/CNRS
 BP 5051
 Montpellier , 34033
 France

Auffray, Jean-Christophe
 Inst. des Sciences de l'Evolution
 Univ. Montpellier II
 Montpellier Cedex 05 , 34095
 France

Backeljau, Thierry
 Koninklijk Belgisch Institut voor
 Naturwetenschappen
 Vautierstraat 29
 B-1040 Brussel
 Belgium

Bally, Andreas
 Birkhäuser Verlag
 P.O. Box 133
 Basel 4010
 Switzerland

Balsamo, Maria
 Departement of Animal Biology
 University of Modena
 Via Universita 4
 Modena , I-41100
 Italy

Balázs, András
 Dept. of Atomic Physics
 ELTE
 Puskin u. 5-7.
 Budapest , 1088
 Hungary

Barbadilla, Antonio
 Dept. de Genetica i de
 Microbiologia
 Universitat Autonoma de
 Barcelona
 Edifici C
 08193 Bellaterra (Barcelona)
 Spain

Barbieri, Marco
 Instituto di Zoologia
 University of Genova
 Via Balbi 5
 Genova 16126
 Italy

Barriel, Veronique
 Laboratoire de Paleontologie
 Univ. Pierre et Marie Curie
 4 place Jussie
 Paris , 75 252
 France

Barsiene, Janina
 Institute of Ecology
 Lithunian Academy of Sciences
 Akademijos 2
 Vilnius 232021
 Lithuania

Bartha, Sándor
 MTA ÖBK
 Alkotmány u. 2-4.
 2163 Vácrátót
 Hungary

Barton, Nicholas
 University of Edinburgh
 Kings Blocs
 Edinburgh , Scotland EH9 3JT
 U.K.

Bauchau, Vincent
 Unite de Biometrie
 University of Louvain
 2 Croix du Sud ,BTE 16
 Louvain 1348 LLN
 Belgium

Baur, Anette
 Zoologisches Institut
 University of Basel
 Rheinsprung 9
 Basel CH-4051
 Switzerland

Baur, Bruno
 Zoologisches Institut
 University of Basel
 Rheinsprung 9
 Basel CH-4051
 Switzerland

Beaumont, Andy
 School of Ocean Sciences
 University College Bangor
 Menaibridge, Anglesey
 LL595EY Gwynedd
 UK

Beintema, Jaap
 Biochemisch Laboratorium
 Nijenborgh 16
 AG Groningen ,9747
 The Netherlands

Beissinger, Steven
 School of Forestry & Environment
 Yale Univ.
 New Haven ,0651
 USA

Bell, Graham
 Biology Departement
 McGill University
 1205 Ave Dr Penfield
 Montreal H3A 1B1
 Canada

Bengtsson, Bengt Olle
 Department of Genetics
 University of Lund
 Soelvegatan 29
 S-22362 Lund
 Sweden

Berrigan, David
 Dept. of Biology
 University of Utah
 Salt Lake City 84112 ,UTAH
 84112
 USA

Bertolani, Roberto
 Dept. of Animal Biology
 University of Modena
 Via Universita 4
 Modena , I-41100
 Italy

Betran Paula, Esther
 Dept. Gen.
 Univ. Autonoma de Barcelona
 Bellaterra(Barcelona) 08193
 Spain

Beukeboom, Leo
 Dept. of Biology
 University of Rochester
 River Campus
 Rochester NY 14627
 USA

Biasiolo, Adriano
 Inst. di Difesa delle Piante
 Universita di Udine
 V. Fagagna
 33100 Udine
 Italy

Biere, Arjen
 Institut for Ecological Research
 Boterhoeksestraat 22
 6666 ZG Heteren
 The Netherlands

Bigoni, Francesca
 Antropologia Fisica
 Via Balbi 4.
 Genova, 16126
 Italy

Bijlsma, Kuke
 Dept. of Genetics
 Kerklaan 30
 Haren ,9751 NN
 The Netherlands

Blank, Michael
 Vavilov Inst. of General Genetics
 USSR Academy of Sciences
 Gubkin st. 3.
 117809 Moscow B-333
 USSR

Blondel, Jaques
 CEPE-CNRS
 Route de Mende, B.P. 5051
 F-34033 Montpellier Cedex
 France

Blot, Michel
 Dept. of Microbiology
 Biozentrum
 Univ. Basel
 Klingelbergstr. 70
 Basel ,4056
 Switzerland

Boomsma, Jacob
 Department of Ecology and
 Genetics
 University of Aarhus
 Ny Munkegade, Building 550
 Aarhus C, DK 8000
 Denmark

Boulétreau-Merle, Joselyne
 Laboratoire de Genetique des
 Populations
 Universite Claude Bernard
 43 Bd du 11 Novembre 1918
 F-69622 Villeurbanne Cedex
 France

Boursot, Pierre
 Institute des Sciences de
 L'Evolution
 University of Montpellier
 Place E. Bataillon
 34095 Montpellier
 France

Breeuwer, Hans
 Dept. of Biology
 University of Rochester
 River Campus
 Rochester NY 14620
 USA

Bridge, Diane
 Dept. of Biology
 Yale University
 P.O. Box 6666 , Osborn Labs
 New Haven , CT 06511
 USA

Bullini, Luciano
 Dip. di Genetica e Biologia
 Molecolare
 Via Lancisi ,29
 Roma 00161
 Italy

Bundgaard, Jorgen
 Department of Ecology and
 Genetics
 University of Aarhus
 Ny Munkegade, Building 550
 Aarhus C, DK 8000
 Denmark

Burr, Jay A.H.
 Dept. of Biological Sciences
 Simon Fraser University
 Burnaby ,B.C. V5A 156
 Canada

Bérczi, Szaniszló
 Dept. Gen. Tech.
 ELTE
 Rákóczi ut 5.
 Budapest , 1088
 Hungary

Béres, Judit
 Dept. of Human Genetics and
 Teratology
 Gyáli u. 2-6.
 Budapest 1966
 Hungary

Campesan, Susanna
 Dept. of Genetics
 University of Leicester
 University Rd.
 Leicester , LE1 7RH
 U.K.

Capula, Massimo
 Dip. di Genetica e Biologia
 Molecolare
 Universita di Roma
 Via Lancisi 29
 Roma 00161
 Italy

Carmona, Maria Jose
 Area de Ecologia
 Universidad de Valencia
 Burjassot
 Valencia 46100
 Spain

Catzeffis, Francois
 Lab. Paleontologie, Inst. Sci.
 Evol.
 UA 327 CNRS Universite II
 Pl. E. Bataillon, USTL
 34095 Montpellier
 France

Cavicchi, Sandro
 Dipartimenti di Biologia (Ev.
 Sper.)
 Via Belmeloro 8
 Bologna , 40126
 Italy

Chen, Xiaofeng
 Institute of Zoology
 University of Basel
 Rheinsprung 9
 Basel CH-4051
 Switzerland

Christensen, Bengt
 Institute of Population Biology
 Copenhagen University
 Universitetsparken 15
 Copenhagen , 2100
 Denmark

Chylarecki, Przemyslaw
 Ornithological Station
 Institute of Ecology, Polish Acad.
 of Sci.
 Nadwislanska 108
 80-680 Gdansk 40
 Poland

Cianchi, Rossella
 Dip. di Genetica e Biologia
 Molecolare
 via Lancisi 29.
 00161 Roma
 Italy

Cichon, Mariusz
 Inst. of Environmental Biology
 Karasia 6
 Krakow , 30-060
 Poland

Cimmaruta, Roberta
 Dept. of Genetics and Molecular Biology
 Via Lancisi ,29
 Rome , 1-00161
 Italy

Ciucci, Paolo
 Dip. Biologia Animale
 Univ. of Roma "La Sapienza"
 Viale dell'Università 38
 Roma ,00185
 Italy

Clark, Colin W.
 Inst. of Applied Mathematics
 University of British Columbia
 Vancouver, V7A 1Z2
 Canada

Cobolli Sbordoni, Marina
 Dipartimento di Biologia Animale
 e dell'Uomo
 Universita Roma
 Viale dell'Università 32
 I-00185 Roma
 Italy

Cohen, Dan
 Dept. of Botany, Evolution and
 Ecology
 The Hebrew University
 Jerusalem 91904
 Israel

Coulson, Alan
 Lab. of Molecular Biology
 MRC
 Hills Rd.
 Cambridge, CB2 2QH
 U.K.

Couvet, Denis
 CNRS Centre Emberger
 Route de Mende BP 5051
 F-34033 Montpellier
 France

Crespi, Bernard
 Ecology and Systematics
 Cornell University
 Ithaca ,NY 14853-2701
 USA

Csorba, Gábor
 Hungarian Natural History
 Museum
 Baross u. 19.
 Budapest , 1088
 Hungary

Czárán, Tamás
 Ökológiai Modellező Kutató
 Csoport
 MTA
 ELTE, Kun Béla tér 2.
 1083 Budapest
 Hungary

Damgaard, Christian
 Dept. of Ecology and Genetics
 University of Aarhus
 Ny Munkegade, Building 550
 Aarhus 8000
 Denmark

Darlu, Pierre
 Laboratoire d'Anthropologie
 Biologique
 I.N.S.E.R.M., Univ. Paris VII
 2 place Jussieu
 Paris , 79291
 France

David, Jean
 Lab. de Biologie et Genetique
 Evolutives
 CNRS
 F-91198 Gif-sur Yvette
 France

Demeter, András
 Biological Section
 Hungarian Academy of Sciences
 Nádor u. 7.
 Budapest , 1051
 Hungary

Dias, Paula Cristina
 CNRS-Centre Luis Emberger
 CNRS-CEPE BP5051
 Montpellier 34033
 France

Dobolyi, Konstantin
 Dept. of Botanics
 Hungarian National History
 Museum
 Iskola u. 5.
 Budapest , 1161
 Hungary

Dod, Barbara
 Instute des Sciences de l'Evolution
 USTL
 Montpellier ,34095
 France

Doolittle, Russell F.
 Center for Molecular Genetics
 University of California
 La Jolla, CA 92093-0634
 USA

Dover, Gabriel A.
 Dept. of Genetics
 University of Cambridge
 Downing Street
 Cambridge CB2 3EH
 UK

Ebert, Dieter
 Institut für Zoology
 Univ. Basel
 Rheinsprung 9
 Basel ,4051
 Switzerland

Erdei, Eszter
 Dept. of Genetics
 ELTE TTK
 Muzeum krt. 4/a
 Budapest ,1088
 Hungary

Exnerová, Alice
 Institute of Zoology
 Charles University
 Vinicna 7
 Praha , 128 44
 CSFR

Fairbrother, Jenny
 Marine Science Labs
 University College North Wales
 (Bangor)
 Marine Science Labs,
 Menabridge,
 Anglesey ,LL59 5EY
 U.K

Favero, Mara
 Dipartimento di Biologia
 Via Trieste , 75
 Padova ,35121
 Italy

Felber, Francois
 Inst. of Botany
 University of Neuchatel
 Chantemerle 22
 Neuchatel 2007
 Switzerland

Flessa, Karl
 Dept. of Geosciences
 University of Arizona
 Tucson AZ 85721
 USA

Fochetti, Romolo
 Dip. Biologia Animale e
 dell'Uomo
 University "La Sapienza"
 Viale dell'Università 32
 00185 Roma
 Italy

Fodor, András
 Department of Genetics
 ELTE
 Muzeum krt.
 Budapest
 Hungary

Folmer, Ole
 Inst. of Population Biology
 Copenhagen University
 Universitetsparken 15
 Copenhagen 0,2100
 Denmark

Fracasso, Cinzia
 Dip. di Biologia
 Universita di Padova
 Via Trieste 75
 I 35121 Padova
 Italy

Frykman, Ingrid
 Dept. of Genetics
 Univ. of Lund
 Solvegatan 29
 Lund ,22362
 Sweden

Frynta, Daniel
 Institute of Zoology
 Charles University
 Vinicna 7
 Praha ,12844
 CSFR

Gabriel, Wilfried
 Dept. of Physiological Ecology
 Max Planck Institute for
 Limnology
 Postfach 165
 D-2320 Plön
 Germany

Gaggiotti, Oscar
 Center for Theoretical and Applied
 Genetics
 Rutgers University/Cook College
 PO. Box 231
 New Brunswick, NJU 08903
 USA

Galleni, Lodovico
 A.C.D.S.L. Entomologia Agraria
 Pisa University
 Via S. Michele 2
 I-56124 Pisa
 Italy

Gasslein, Hubert
 Dept. of Botany
 Institute of Ecology
 Rothenburgstrasse 12
 Berlin , D-W1000/4-1
 Germany

Gates, Simon
 British Trust for Ornithology
 The Nunnery , Nunnery Place
 Thetford ,1P24 2PU
 UK

Godzinska, Ewa J.
 Nencki Institute of Experimental
 Biology
 Pasteur st. 3.
 02-093 Warsaw
 Poland

Gavrillets, Sergey
 Institute of General Genetics
 Gubkin st. 3.
 117809 GSP-1 Moscow
 USSR

Gollmann, Günter
 Institut für Zoologie
 Universitat Wien
 Althanstr. 14.
 Vienna A-1090
 Austria

Geraert, Etienne
 Inst. of Zoology
 Ghent Univ.
 Ledeganckstr. 35
 Ghent ,9000
 Belgium

González-Candelas, Fernando
 Dept. of Genetics
 Univ. of Valencia
 c/ dr. Moliner,50
 Burjassot, 46100
 Spain

Geszti, Tamás
 Dept. of Atomic Physics
 Eötvös University
 Puskin u. 5-7
 1088 Budapest
 Hungary

Gorshkov, Victor
 Theoretical Department
 Nuclear Physics Institute
 Gatchina ,Leningrad district
 Leningrad 188350
 USSR

Giannini, Raffaello
 Ist. Miglioramento Genetico Piante
 Forestali-C.N.
 Via San Bonaventura 13
 Firenze ,50145
 Italy

Gouyon, Pierre-Henry
 Lab. d'Evolution et Systematique
 Vegetales
 Universite de Paris-Sud XI
 Orsay Cedex 362-91405
 France

Gliddon, Chris
 School of Biological Sciences
 University of Wales
 Orton Building, UCNW
 LL572UW Bangor, Gwynedd
 UK

Grant, Peter
 Dept. of Ecology & Evolutionary
 Biology
 Princeton University
 Guyot Hall
 Princeton-NJ.08544
 USA

Grozeva, Snejana
 Institute of Zoology
 Bulgarian Academy of Sciences
 boul. Rouski 1
 1000 Sofia
 Bulgaria

Guerra, Daniela
 Dipartimento di Biologia (Ev.
 Sper.)
 Belmerolo 8
 Bologna , 40126
 Italy

Guldbrandtsen, Bernt
 Inst. for Genetik og Oekologi
 Aarhus Universitet
 Ny Munkegade
 Aarhus C ,8000
 Denmark

Gustafsson, Lars
 Dept. of Zoology
 University of Uppsala
 Box 561
 Uppsala , 75122
 Sweden

H. Nagy, Anna
 Dept. of Genetics
 Eötvös University
 Múzeum krt. 4/A
 1088 Budapest
 Hungary

Hairston, Nelson
 Section of Ecology & Systematics
 Cornell University
 Ithaca, NY 14853
 USA

Hajós-Novák, Márta
 Department of Genetics and Plant
 Breeding
 Agricultural University
 Páter K. u. 1.
 Gödöllő 2103
 Hungary

Hakkarainen, Harri
 Dept. of Biology
 Univ. of Turku
 Turku , 2500
 Finnland

Hamilton, William
 Dept. of Zoology
 University of Oxford
 South Parks Road
 Oxford OX1 3PS
 UK

Hardy, Ian
 Dept. of population biol.
 Univ. of Leiden
 Kaiserstraat 63, P.O. Box 9516
 Leiden , 2300 RA
 The Netherlands

Hauffe, Heidi
 Dept. of Zoology
 Univ. of Oxford
 South Parks Road
 Oxford , OX1 3PS
 UK

Hauser, Thure P.
 Inst. for Genetics and Ecology
 Ny Munkegade 550
 Arhus C,6000
 Denmark

Hazel, Wade
 Department of Biological Sciences
 DePauw University
 Greencastle , IN 46135
 USA

Hellriegel, Barbara
 Zoologisches Institut
 Rheinsprung 9
 Basel , 4051
 Switzerland

Hedegard, Claus
 Dep. of ecology and Genetics
 Univ. of Aarhus
 Ny Munkegade
 Aarhus ,8000
 Denmark

Hewitt, Godfrey
 Biological Sciences
 University of East Anglia
 NR4 7TJ Norwich
 UK

Hedrick, Phil
 Biology Department
 Penn State University
 University Park
 Pa 16802
 USA

Hinchliffe, Richard
 Dept. of Biological Sciences,
 Penglais
 University College of Wales
 Aberystwyth, Dyfed, SY23 3DA
 U.K.

Heerkloss, Reinhard
 Fachbereich Biologie
 Univ. Rostock
 Freiligrathstr. 718.
 Rostock, 0-2500
 Germany

Hoffman, Antony
 Inst. Paleobiology
 Polish Academy of Sciences
 Al. Zwirki i Wigury 93
 02-089 Warsaw
 Poland

Heikkinen, Erja
 Department of Genetics
 Univ. of Oulu
 Linnanmaa A5
 Oulu , 90570
 Finland

Holba, Ágnes
 Central Research Institute of
 Physics
 P.O.B. 49
 Budapest 114, H-1525
 Hungary

Heller, Joseph
 Dept. of Zoology
 Hebrew
 Univ.
 Jerusalem , 91904
 Israel

Holm, Svante
 Dept. of Gen.
 Solvegatan 29
 Lund ,223 62
 Sweden

Horder, Timothy
 Dept. of Human Anatomy
 University of Oxford
 South Parks Road
 Oxford OX1 3QX
 UK

Horovitz, Auguste
 Dept. of Genetics
 The Hebrew University
 Jerusalem 91904
 Israel

Horácek, Ivan
 Institute of Zoology
 Charles University
 Pragues
 Czechoslovakia

Ikramov, Karim
 Ecology Research Centre
 Samarkand Medical Institute
 Frunze str. 16
 Samarkand 703000
 USSR

Iljenko, Nikolaj
 Dept. of Zoology
 University of Kiev
 Vladimirskaja 64
 252017 Kiev
 USSR

Irwin, David
 Division of Biochemistry and
 Molecular Biology
 University of California, Berkeley
 Berkeley , CA 94720
 USA

Jackson, Jeremy B.C.
 Smithsonian Tropical Research
 Institute
 Apartado 2072 ,Box 2072
 Balboa
 Panama

Jackson, Katherine
 Dept. of Zoology
 Univ. of Oxford
 South Park Road
 Oxford , OX1 3PS
 UK

Jacot, Philippe
 Institute of Botany
 University of Neuchatel
 Chantemerle 22
 Neuchatel 2007
 Switzerland

Jaeger, Jean-Jacques
 Lab. de Paleontologie
 CNRS
 Pl. E. Bataillon
 F-34095 Montpellier Cedex 05
 France

Jain, Subodh
 Dept. of Agronomy and Range
 Science
 University of California
 College of Agricultural and
 Environmental Sciences
 Davis CA95616
 USA

Jakó, Éena
 1st Institute ofBiochemistry
 Semmelweis Univ. of Medicine
 Puskin u.9.
 Budapest, 1088
 Hungary

Jensen, Lisbeth
 Inst. of Population Biology
 Copenhagen University
 Universitetsparken 15
 Copenhagen 0, 2100
 Denmark

Johannesen, Jes
 Dept. of Genetics and Ecology
 Univ. of Aarhus
 Ny Munkegade, Bygn. 550
 Aarhus, 8000 C
 Denmark

Jokela, Jukka
 Dept. of Biology, Laboratory of
 Ecological Zoology
 University of Turku
 20500 Turku
 Finland

Joly, Pierre
 Laboratoire de Biologie Animale
 et Ecologie
 Universite Claude Bernard
 Lyon 1
 Villeurbanne 69622
 France

Joó, István
 Dept. of Analysis
 Mathematical Institut, ELTE
 Muzeum krt. 6-8
 Budapest , 1088
 Hungary

Juhász Nagy, Pál
 Department of Plant Systematics
 and Ecology
 ELTE
 Ludovika tér 1-3
 Budapest, 1087
 Hungary

Kalnin, Vadim
 Inst. of Gene Biology
 Acad. of Sciences USSR
 Vavilov str. 34/5
 117984 Moscow
 USSR

Kalnina, Olga
 Inst. of Gene Biology
 Acad. of Sciences USSR
 Vavilov str. 34/5
 117984 Moscow
 USSR

Katradi, Katerina
 Dept. of Ecology ,School of
 Biology , Faculty of Sciences
 Aristotelian University
 UPB 119
 Thessaloniki , 54006
 Greece

Kauffman, Stuart
 Dept. of Biochemistry and
 Biophysics
 University of Pennsylvania
 School of Medicine
 Philadelphia PA 19104
 USA

Kawecki, Tadeusz
 Inst. of Zoology
 University of Basel
 Rheinsprung 9
 CH-4051 Basel
 Switzerland

Kempfova, Zuzana
 Dept. of Microbiology
 Charles University
 Vinicna 5
 Praha, 128 44
 CSFR

Khramtsov, Vladimir
 Institute of General Genetics
 USSR Academy of Sciences
 Gubkin str. 3.
 Moscow , GSP-1 V-333
 USSR

Kindlmann, Pavel
 Dept. of Biomathematics
 Czechoslovak Academy of
 Sciences
 Branisovska 31
 Budejovice 37005
 Czechoslovakia

Kisdi, Éva
 Dept. of Genetics
 ELTE
 Muzeum krt. 4/A
 Budapest, 1088
 Hungary

Klein, Manfred
 Institut fur Zoologie, Abt.
 Populationsbiologie
 Univ. Mainz
 Saarstr. 21
 Mainz, 6500
 Germany

Klinkicht, Markus
 Institut für Genetik &
 Mikrobiologie
 Luisenstr. 14.
 8000 München 2
 Germany

Koelewijn, Hans
 Inst. for Ecological Res.
 Boterhoekstraat 22., PO. Box 40
 Heteren , 6666 ZG
 The Netherlands

Koh, Hung Sun
 Dept. of Biology
 Chungbuk Univ.
 Cheongju , Kaeshin-Dong 48
 Cheongju ,360-263
 South Korea

Komarek, Stanislav
 Institute of Zoology
 Charles University
 Vinicna 7
 Praha , 128 44
 CSFR

Kondrashov, Alexey S.
 Research Computing Centre
 USSR Academy of Sciences
 Pushchino 142292
 USSR

Korbuly, Emese
 Dept. of Genetics
 ELTE
 Rácz A. u. 39.
 Budapest , 1121
 Hungary

Kordos, László
 Hungarian Geological Institute
 Népstadion ut 14.
 Budapest,1143
 Hungary

Korpelainen, Helena
 Department of Genetics
 University of Helsinki
 Arkadiankatu 7
 Helsinki SF-00100
 Finland

- Kozhara, Alexander
 Inst. of Biology of Inland Waters
 Acad. Sci. USSR
 152742 Borok
 USSR
- Ladunga, István
 Department of Genetics
 ELTE
 Muzeum krt. 4/A
 Budapest , 1088
 Hungary
- Kozlowski, Jan
 Institute of Environmental Biology
 Jagellonian University
 Oleandry 2A
 30-063 Krakow
 Poland
- Lammi, Antti
 Dept. of Biology
 Univ. of Jyvaskala
 Yliopistonkatu 9
 Jyvaskala, 40100
 Finland
- Kraaijeveld, Alex
 Dept. of Population Biologie
 Univ. of Leiden
 Kaiserstraat 63 , PO. Box 9516
 LEIDEN ,2300 RA
 The Netherlands
- Largiader, Carlo
 Zoologisches Institut
 Uni. Bern
 Baltzerstr. 3.
 Bern ,3012
 Switzerland
- Kuitunen, Markku
 Dept. of Biology
 University of Jyvaskyla
 Yliopistonkatu 9
 SF-40100 Jyväskylä
 Finland
- Larsen, Allan Breum
 Dept. of Ecology & Genetics
 Univ. of Aarhus
 Ny Mankgade B550
 Aarhus C ,8000
 Denmark
- Kyriacou, Charalambos
 Department of Genetics
 University of Leicester
 University Rd.
 Leicester , LE1 7RH
 UK
- Lazányi, András
 Agronomical Instute Cluj
 Str. Józsa Béla 12.
 Cluj-Napoca , 3400
 Romania
- Kővér, Szilvia
 ELTE TTK
 Háros u. 47-49.
 Budapest , 1222
 Hungary
- Le, Hoc Lanh Vanh
 Laboratoire de Biologie Cellulaire
 4.
 Universite Paris Sud
 Bat 44.
 Orsay , 91405
 France

Lehmann, Cornelia
 Institut für Ökologie
 Technischen Universität Berlin
 Rothenburgstrasse 12
 Berlin 41 , D-1000
 Germany

Levin, Bruce R.
 Dept. of Zoology
 University of Massachusetts
 357 Morrill Science Center
 Amherst MA 01003
 USA

Linders, Enrico
 Inst. Ecological Research
 Postbus 40
 6666 ZG Heteren
 The Netherlands

Loertscher, Matthias
 Zoologisches Institut
 Uni. Bern
 Baltzerstr. 3:
 Bern 3012
 Switzerland

Loeschcke, Volker
 Dept. of Ecology and Genetics
 University of Aarhus
 Ny Munkegade, Building 550
 Aarhus C , DK 8000
 Denmark

Lozovaya, Galina
 Institute of Botany
 Acad. Sci. of Ukrainian SSR
 Repina street 2
 Kiev GSP-1
 USSR

Ludvig, Éva
 Department of Genetics
 ELTE
 Muzeum krt. 4/A
 Budapest, H-108
 Hungary

Lukács, Béla
 Central Research Institute for
 Physics
 Pf. 49.
 Budapest 114, H-1525
 Hungary

Lumaret, Rosalyne
 Centre d'Ecologie Fonctionnelle et
 Evolutive
 CNRS
 Route de Mende, BP 5051
 34033 Montpellier Cedex
 France

Madsen, Jorn
 Dept. of Ecology and Genetics
 Univ. of Aarhus
 Build. 550 Ny Munkegade
 Aarhus C , 8000
 Denmark

Major, Ágnes
 Dept. of Genetics
 ELTE
 Muzeum krt. 4/A ,
 Budapest ,1088
 Hungary

Makeeva, Elena
 Institute of Genetics and Cytology
 BSSR Acad. of Sciences
 F. Skorina st. 27
 Minsk 220734
 USSR

Malvolti, Maria Emilia
 Institute for Agrosilviculture
 CNR
 Viale Marconi 2
 I-05010 Porano (Tr)
 Italy

Manicacci, Domenica
 CNRS
 CEPE/CNRS BP5051
 Montpellier 34033
 France

Mantovani, Barbara
 Dept. Biologia Evoluzionistica
 Sperimentale
 University of Bologna
 Via S. Giacomo 9
 40126 Bologna
 Italy

Mappes, Johanna
 University of Jyvaskala
 Yliopistonkatu 9
 Jyvaskala ,40100
 Finland

Mappes, Tapio
 Univ. of Jyvaskala
 Yliopistonkatu 9
 Jyvaskyla
 Finland

Marchesini, Marco
 Dip. di Biologia
 Via Trieste 75
 Padova , 35131
 Italy

Marrow, Paul
 Dept. of Biology
 University of York
 Heslington
 York YO1 5DD
 UK

Martinás, Katalin
 ELTE AMFT
 Puskin u. 5-7.
 1088 Budapest
 Hungary

Marx, George
 Department of Atomic Physics
 Eötvös University
 Puskin u. 5-7.
 H-1088 Budapest
 Hungary

Matushkin, Yuri
 Institute of Cytology and Genetics
 USSR Academy of Sciences ,
 Siberian Dept.
 acad. Lavrentyev av., 10
 630090 Novosibirsk
 USSR

Maynard Smith, John
 School of Biological Sciences
 University of Sussex
 BNI 9QG Brighton
 UK

McNamara, John
 Dept. of Mathematics
 Univ. of Bristol
 University Walk
 Bristol, BS8 1TW
 UK

Meerts, Pierre
 Laboratoire d'Ecologie et
 Genetique Vegetales
 Universite Libre de Bruxelles
 Chaussee de Wavre 1850
 B-1160 Bruxelles
 Belgium

Mehandjiev, Marin
 High School of Biotechnology
 279 Slivnitsa Blvd.
 Sofia 1202
 Bulgaria

Menges, Eric S.
 Archbold Biological Station
 P.O. Box 2057
 Lake Placid, Florida 33852
 USA

Menken, Steph
 Institute of Taxonomic Zoology
 University of Amsterdam
 P.O.Box 4766
 1009 AT Amsterdam
 The Netherlands

Mestres, Francesc
 Dept. of Genetics
 University of Barcelona
 Diagonal, 645
 Barcelona 08071
 Spain

Meszéna, Géza
 Department of Atomic Physics
 Eötvös University
 Puskin u. 5-7.
 H-1088 Budapest
 Hungary

Michailova, Paraskeva
 Institute of Zoology
 Bulgarian Academy of Sciences
 Boul. Rouski 1
 1000 Sofia
 Bulgaria

Michalak, Pawel
 Inst.of Enviromental Biology
 University of Lodz
 ul. Bluszczowa 34
 91-858 Lodz
 Poland

Miller, Christine
 Dept. of Zoology
 Univ. of Leicester
 University Road
 Leicester , LE1 7RH
 U.K.

Moens, Luc
 Dept. of Biochemistry
 Univ. of Antwerp (U.I.A.)
 Universitetsplein
 Antwerp-Wilrijk , 2610
 Belgium

Molnár, István
 Dept. of Genetics
 ELTE
 Muzeum krt. 4/A
 Budapest , 1088
 Hungary

Monnerot, Monique
 Laboratoire de Biologie Generale
 Univ. Paris-Sud
 Bat. 400 UPS
 F-91405 Orsay Cedex
 France

Montgelard, Claudine
 Laboratoire de Paleontologie
 Inst. des Sciences de l'Evolution
 U.S.T.L. , Place E. Bataillon
 Montpellier Cedex 5, 34095
 France

Morgante, Michele
 Inst. di Produzione Vegetale
 Univ. di Udine
 Via Fagagna 209
 Udine 33100
 Italy

Mutikainen, Pia
 Laboratory of Ecological Zoology
 , Dept. of Biology
 Univ. of Turku
 Turku ,20500
 Finland

Müller, Christine
 Zoologisches Institut
 Rheinsprung 9
 CH-4051 Basel
 Switzerland

Müller, Gerd B.
 Dept. of Anatomy
 Univ. of Vienna
 Währingerstr. 13
 Wien , 1090
 Austria

Navajas, Maria
 Institut National de la Recherche
 Agronomique
 2, Place P. Viala
 Montpellier , 34060
 France

Nevo, Eviatar
 Inst. of Evolution
 University of Haifa
 Haifa 31999
 Israel

Nichols, R.A.
 School of Biological
 Sciences, Queen Mary and
 Westfield Coll.
 University of London
 Mile End Road
 London ,E1 4NS
 U.K.

Nigro, Loredana
 Dept. of Biology
 University of Padova
 via Trieste 75
 Padova 35121
 Italy

Nilsson, Nils-Otto
 Dept. of Genetics
 Solvegatan 29
 Lund , 223 62
 Sweden

Nunn, Gary
 Department of Genetics
 University of Nottingham
 Nottingham , NG7 2UH
 U.K.

Nádas, Tamás
 Magatartásgenetikai Laboratorium
 ELTE
 Nedü u. 5.
 Budapest , 1028
 Hungary

Ochando, Dolores
 Dept. de Genetica, Fac de
 Biologica
 Univ. Complutense
 E28040 Madrid
 Spain

Olivieri, Luisa
 Dept. of Genetics and Molecular
 Biology
 Via Lancisi 29
 Rome ,00161
 Italy

Olejniczak, Pawel
 Inst. of Environmental Biology
 Univ. of Krakow
 Oleandry 2A
 Krakow ,30-063
 Poland

Orczak, Steven
 Department of Ecology and
 Evolution
 University of Chicago
 Chicago ,IL 60637
 USA

Olesen, Jens M.
 Department of Ecology and
 Genetics
 University of Aarhus
 Ny Munkegade, Building 550
 Aarhus C, DK 8000
 Denmark

Ouborg, Joop
 Institute for Ecological Research
 P.O.Box 40,Boterhoeksestr. 22.
 6666ZG Heteren
 The Netherlands

Oliverio, Marco
 Dip. Biologia Animale e
 dell'Uomo
 Universita "La Sapienza"
 Vle dell'Universita 32
 00185 Roma
 Italy

Ovsyannikov, Leonid D.
 All-Union Institute of Melioration
 and Landreclamation
 127550 Moscow
 USSR

Olivieri, Isabelle
 Station de Genetique et
 Amelioration des Plantes
 INRA
 Domaine de Melgueil, Chemin de
 Mezouls
 F-34130 Mauguio
 France

Pagani, Manuela
 Sezione di Ecologia
 Dipartimento di Biologia
 Via Celoria 26
 I-20133 Milano
 Italy

Palokangas, Paivi
 Dept. of Biology
 Univ. of Turku
 Turku , 20500
 Finland

Parker, Dave
 Ecology/Evolutionary Biology
 Univ. of Arizona
 Tucson ,AZ 85721
 USA

Pascual Berniola, Marta
 Dept. Genetica, Fac. Biologia
 Universitat de Barcelona
 Diagonal 645
 Barcelona 08071
 Spain

Passekov, Vladimir
 Computer Center
 USSR Acad. of Sciences
 Vavilova street 40
 Moscow 117967 GSP-1
 USSR

Pavlicek, Tomas
 Institute of Entomology
 Branisovska 31
 37005 Ceske Budejovice
 Czechoslovakia

Pecsenye, Katalin
 Dept. of Zoology
 Kossuth University
 4010 Debrecen
 Hungary

Pedersen, Bo Vest
 Inst. of Population Biology
 Univ. of Copenhagen
 Universitetsparken 15
 Copenhagen 0,2100
 Denmark

Pedersen, Jes Soe
 Inst. of Ecology and Genetics
 Aarhus University
 Ny Munkegade, Building 550
 Aarhus ,DK-8000 C
 Denmark

Pelger, Susanne
 Dept. of Genetics
 University of Lund
 Solvegatan 29
 S-22362 Lund
 Sweden

Pels, Bas
 Dept. of Pure and Applied
 Ecology, Sect. Population Biology
 Univ. of Amsterdam
 Kruislaan 302
 Amstredam, 1098 SM
 Netherland

Perrot, Veronique
 Zoologisches Inst.
 Rheinsprung 9
 Basel , 4051
 Switzerland

Pijls, Janine
 Dept. of Population Biology
 Univ. of Leiden
 Kaiserstr. 63 ,PO. BOX 9516
 Leiden , 2300 RA
 The Netherlands

Pintér, István
 Dept. of Genetics
 ELTE
 Muzeum krt. 4/A
 Budapest , 1088
 Hungary

Podani, János
 Department of Plant Ecology &
 Taxonomy
 ELTE
 Ludovika tér 2
 Budapest , 1083
 Hungary

Polner, Gábor
 MBK
 MTA-SZBK Genetikai Intézet,
 P.O.B.521
 6701 Szeged
 Hungary

Pritchard, D.J.
 Division of Human Genetics
 University of
 Newcastle-upon-Tyne
 19/20 Claremont Place
 Newcastle-upon-Tyne , NE2 4AA
 U.K.

Pulido, Francisco
 Zoologisches Institut, Ak.
 Ökologie
 J.W.Goethe-Universitat
 Siesmayerstr. 70
 D-6000 Frankfurt/M. 11
 Germany

Pusenius, Jyrki
 Konnevesi Research Station
 Univ. Jyvaskyla
 Konnevesi, 44300
 Finland

Pásztor, Erzsébet
 Dept. of Genetics
 ELTE
 Múzeum krt. 4/A
 Budapest, 1088
 Hungary

Quezada-Diaz, Jorge E.
 Dept. de Genetica i de
 Microbiologia
 Universitat Autonoma de
 Barcelona
 Edifici C
 08193 Bellaterra (Barcelona)
 Spain

Rassmann, Kornelia
 Institut für Zoologie
 Luisenstr. 14
 8000 München 2
 Germany

Ray, Thomas
 School of Life and Health Science
 University of Delaware
 Newark, Delaware 19716
 USA

Raymond, Michel
 Laboratoire Genetique
 d'Environnement
 Inst. Sc. Evol. URA327
 URA 327 ,Case Courrier 64 ,
 U.S.T.L.
 Montpellier 34095
 France

Reboud, Xavier
 Lab. E.S.V. bat 362
 Universite Paris Sud XI
 91405 Orsay Cedex
 France

Reyment, Richard
 Paleontologiska Inst.
 University of Uppsala
 Box 558
 Uppsala 75122
 Sweden

Ricci, Claudia
 Department of Animal Biology
 Via Accademia Albertina 17
 10123 Torino
 Italy

Richerd, Sophie
 Laboratoire de Genetique et
 Evolution des Populations Veget.
 URA CNRS 1185
 Universite des Sciences et
 Techniques de Lille
 59655 Villeneuve d'Ascq
 France

Rizzoni, Marco
 Dipartimento di Biologia
 IIe Universita di Roma
 "Torvergata"
 Via Emanuele Carnevale
 I-00173 Roma
 Italy

Rocchi, Angela
 Dipartimento di Genetica e
 Biologia Molecolare
 Universita "La Sapienza"
 Ple Aldo Moro
 Roma 00185
 Italy

Rodin, Sergey
 Institute of Cytology and Genetics
 USSR Academy of Sciences
 Siberian Dept.
 acad. Lavrentyev av., 10.
 630009 Novosibirsk
 USSR

Rossi, Maria Susanna
 Dept. of Genetics
 Univ. Autonoma de Barcelona
 Edifici C.(08193)
 Bellaterra (Barcelona), 08193
 Spain

Rossi, Valeria
 Instituto di Ecologia
 Universita di Parma
 Viale delle Scienze
 Parma 43100
 Italy

Rousset, Francois
 Lab. de Biologie et Genetique
 Evolutive
 CNRS
 Bat. 13, Avenue de la Terrasse
 GIF SUR YVETTE 91198
 France

Rubanovich, Alexander V.
 N.I.Vavilov Institute of General
 Genetics
 USSR Academy of Sciences
 Gubkin st.3.
 117809 Moscow B-333
 USSR

Ruiz, Alfredo
 Dept. de Genetica i de
 Microbiologia
 Universitat Autonoma de
 Barcelona
 Edifici C
 08193 Bellaterra (Barcelona)
 Spain

Salonen, Veikko
 Dept. of Biology
 University of Jyvaskyla
 Yliopistonkatu 9
 SF 40100 Jyvaskyla
 Finland

Samu, Ferenc
 Plant Protection Institute
 Hungarian Acad. of Sciences
 P.O.Box 102
 1525 Budapest
 Hungary

Santos, Mauro
 Dept. de Genetica i de
 Microbiologia
 Universitat Autonoma de
 Barcelona
 Edifici C
 08193 Bellaterra (Barcelona)
 Spain

Santucci, Fiammetta
 Dept. of Genetics and Molecular
 Biology
 Via Lancisi ,29
 Rome, 00161
 Italy

Sarà, Michele
 Inst. di Zoologica
 Univ. de Genova
 Via Balbi 5
 Genova ,16126
 Italy

Saumitou-Caprade, Pierre
 Laboratoire Genetique et Evolution
 des Populations Vegetales
 Univ. Lille 1.
 bat. SN2
 Villeneuve d'Arcy ,59655
 France

Sbordoni, Valerio
 Dept. of Biology
 Universita "Tor Vergata"
 via Orazio Raimondo
 I-00173 Roma
 Italy

Scali, Valerio
 Dept. Biologia Evoluzionistica
 Sperimentale
 University of Bologna
 Via S. Giacomo 9
 40126 Bologna
 Italy

Scapini, Felicita
 Dipartimento di Biologia Animale
 e Genetica
 Universita di Firenze
 Via Romana 17
 I 50125 Firenze
 Italy

Scheuring, István
 Institute of Plant Taxonomy and
 Ecology
 ELTE
 Ludovika tér 2.
 Budapest, 1081
 Hungary

Schlötterer, Christian
 Institut für Genetik &
 Mikrobiologie
 Luisenstr. 14
 8000 München 2
 Germany

Seitz, Alfred
 Institute für Zoologie, Abt.
 Populationsbiologie
 Univ. Mainz
 Saarstr. 21
 Mainz, 6500
 Germany

Schneller, Jakob
 Institut für Systematische Botanik
 Universität Zürich
 Zollikerstr. 107
 CH-8008 Zürich
 Switzerland

Semenov, Mikhail
 International Ecological Modelling
 Group
 Univ. of Horticulture and Food
 Industry
 Villanyi u. 31.
 Budapest , 1118
 Hungary

Scholl, Adolf
 Institut of Zoology
 Univ. of Berne
 Baltzerstr. 3.
 Berne , 3012
 Switzerland

Sevenster, Jan G.
 dept. of Population Biology,
 Zoological Laboratory
 University of Leiden
 Postbus 9516
 Leiden, 2300 RA
 The Netherlands

Schubert, Ingo
 Zentralinstitut für Genetik und
 Kulturpflanzenforschung
 Correnstrasse 3
 4325 Gatersleben
 Germany

Shykoff, Jacqui
 Zoologisches Institut
 University of Basel
 Rheinsprung 9
 CH 4051 Basel
 Switzerland

Seberg, Ole
 Botanical Laboratory
 Copenhagen University
 Gothersgade 140
 Copenhagen,DK-1123
 Denmark

Sibly, Richard
 Dept. of Zoology
 University of Reading
 Reading RG6 2AJ
 UK

Seilacher, Adolf
 Dept. of Geology and Geophysics
 Yale University
 New Haven , CT 06511
 USA

Siegismund, Hans R.
 Institut of Population Biology
 Universtetsparken 15
 Copenhagen , 2100
 Denmark

Stearns, Stephen
 Zoology Institute
 University of Basel
 Rheinsprung 9
 CH-4051 Basel
 Switzerland

Smirnov, Michail V.
 City Committee for Environmental
 Problems
 19 Prospect Mira
 Moscow ,129090
 USSR

Stevanovic, Vladimir
 Instute of Botany
 Univ. of Belgrade
 Takovska 43
 Belgrade ,11000
 Yugoslavia

Solignac, Michel
 Laboratoire de Biologie et
 Genetique Evolutives
 CNRS
 91198 Gif-Sur-Yvette
 France

Storch, David
 Institute of Zoology
 Charles University
 Vinicna 7
 Praha , 128 44
 CSFR

Spaak, Piet
 Limnological Institute
 Rijksstraatweg 6
 Nieuwersluis , 3632 AC
 The Netherlands

Städler, Thomas
 Zoologisches Institut
 J.W.Goethe-Univ.
 Siesmayerstr. 70
 Frankfurt /M. ,W-6000
 Germany

Spirito, Franco
 Dipartimento di Genetica e
 Biologia Molekulare
 Universita "La Sapienza"
 Ple A. Moro 5
 I 00185 Roma
 Italy

Svirezhev, Yuri M.
 International Ecological Modelling
 Group
 Eötvös University
 Bogdánffy út 10/B
 1117 Budapest
 Hungary

Stanyon, Roscoe
 Instituto di Antropologia Fisica
 Via Balbi 4
 Genova 16126
 Italy

Szabó, Attila T.
 Dept. of Botany
 Hungarian Natural History
 Museum
 POB 222
 1476 Budapest
 Hungary

Szathmáry, Eörs
 MRC National Institute for
 Medical Research &
 ELTE(Budapest)
 The Ridgeway ,Mill Hill
 London , NW7 1AA
 U.K.

Szilágyi, Gábor
 Dept. of Zoology
 Kossuth University
 4010 Debrecen
 Hungary

Szmidt, Alfred E.
 Dept. Forest Genetics & Plant
 Physiology
 The Swedish University of
 Agricultural Sciences
 Umea S-901 83
 Sweden

Szymura, Jacek
 School of Biological Sciences
 University of East Anglia
 Norwich ,NR4 7TJ
 U.K.

Tautz, Diethard
 Institut für Zoologie
 Luisenstr. 14.
 8000 München 2
 Germany

Thebaud, Christophe
 Centre L. Emberger
 CNRS
 BP 5051
 Montpellier ,34033
 France

Thiriot-Quiévreux, Catherine
 Observatoire Océanologique
 Université P. et M. Curie
 BP 328
 Villefranche sur Mer , 06230
 France

Thompson, John D.
 Centre d'Ecologie Fonctionnelle et
 Evolutive
 CNRS
 Route de Mende, BP 5051
 34033 Montpellier Cedex
 France

Tinbergen, Joost
 Institute for Ecological Research
 P.O. Box 40
 Heteren 666626
 The Netherlands

Togan, Inci
 Dept. of Biology
 Middle East Technical University
 Ankara
 Turkey

Toktosunov, A.T.
 Dept. Genetics and Selection Lab.
 Experimental Ecology.
 Kirghiz State University
 Belinskogo ul. 101.
 720024 Frunze
 USSR

Tomiuk, Jürgen
 Section of Clinical Genetics
 Wilhelmstr. 27.
 Tübingen ,7400
 Germany

Topál, György
 Zoological Department
 Hungarian Natural History
 Museum
 Baross u. 13.
 Budapest, 1088
 Hungary

Tunner, Heinz
 Institute of Zoology
 University of Vienna
 Althanstrasse 14.
 1090 Vienna
 Austria

Török, János
 Department of Systematical
 Zoology and Ecology
 ELTE
 Puskin u.3.
 Budapest, 1088
 Hungary

Tóth, Zoltán
 Dept. of Genetics
 Eötvös University
 Múzeum krt. 4/A
 1088 Budapest
 Hungary

Tóth, László
 Dept. of Systematic Zoology and
 Ecology
 Eötvös University
 Puskin u. 3
 1088 Budapest
 Hungary

Tóthmérész, Béla
 Ecological Institute
 Kossuth University
 Egyetem tér 1
 4010 Debrecen
 Hungary

Uchmanski, Janusz
 Institute of Paleobiology
 Polish Academy of Sciences
 Al. Zwirki i Wigury 93
 Warsaw 02-089
 Poland

Ujhelyi, Mária
 Central Theoretical Department
 Semmelweis Univ. of Medicine
 Nagyvárad tér 4.
 Budapest ,1445
 Hungary

Vainio, Jouni
 Département of Genetics
 Univ. of Helsinki
 Arkadiankatu 7
 Helsinki ,00100
 Finland

Vanfleteren, Jacques
 Laboratory of Animal Morphology
 and Systematics
 State University of Ghent
 Ledeganckstraat 35
 Ghent , 9000
 Belgium

Vanicsek, László
 Department of Genetics
 ELTE
 Muzeum krt. 4/A
 Budapest , H-1088
 Hungary

Vanlerberghe, Flavie
 Station de Zoologie
 INRA
 37 Bd du Cap
 06606 Antibes
 France

Varga, Zoltán
 Dept. of Zoology and Evolution
 Kossuth University
 Egyetem tér 1.
 4010 Debrecen
 Hungary

Vasin, Alexander A.
 Faculty of Computational
 Mathematics and Cybernetics
 Moscow State University
 Moscow 119899
 USSR

Vawter, Lisa
 Biology Dept.
 Univ. of East Anglia
 Norwich ,NR4 7TJ
 U.K.

Veith, Michael
 Institut für Zoologie, Abt.
 Populationsbiologie
 Univ. Mainz
 Saarstr. 21
 Mainz, 6500
 Germany

Vendramin, Giovanni
 Forest Tree Breeding Institute
 Via San Bonaventura 13
 Firenze 50145
 Italy

Verardi, Andrea
 Departement of Genetics and
 Molecular Biology
 Via Lancisi ,29
 Rome ,00161
 Italy

Verhás, József
 Dept. of Chemical Physics
 Technical University
 Budapest , 1521
 Hungary

Vida, Gábor
 Department of Genetics
 ELTE
 Muzeum krt. 4/A
 Budapest, 1088
 Hungary

Villani, Fiorella
 Institute for Agrosilviculture
 Viale Marconi 2
 I-05010 Porano (Tr)
 Italy

Wang, Xiao-Ru
 Dept. Forest Genetics & Plant
 Physiology
 The Swedish University of
 Agriculture
 Umea S901 83
 Sweden

Weider, Lawrence
 Max-Planck-Institut für
 Limnologie
 Postfach 165
 D-2320 Plön (Holstein)
 Germany

Westerbergh, Anna
 Department of Genetics
 University of Umea
 Umea , 90187
 Sweden

Windig, Jack J.
 Section Evolutionary Biology
 Institute of Population Biology
 University of Leiden,
 Schelpenkade 14
 Leiden ,2313 ZT
 The Netherlands

Witting, Lars
 Institute of Ecology and Genetics
 Univ. of Aarhus
 Ny Munkegade
 Aarhus C ,8000
 Denmark

Wöhrmann, Klaus
 Institut für Biologie II, Lehrstuhl
 für Populationsgenetik
 Universität Tübingen
 Auf der Morgenstelle 28
 Tübingen 7400
 Germany

Wöss, Emmy
 Abteilung für Limnologie
 Zoologisches Inst.
 Uni. Wien
 Althanstr. 14
 Wien ,1090
 Austria

Yampolsky, Lev
 Institute of General Genetics
 Gubkin str. 3.
 Moscow GSP-1 V-333
 USSR

Yoshimura, Jin
 Instute of Applied Mathematics
 University of British Columbia
 121 1984 Mathematics Road
 Vancouver V6T 1Z4
 Canada

Zonta, Laura A.
 Department of Genetics and
 Microbiology
 Via Abbiategrasso 207
 27100 Pavia
 Italy

de Bruyn, Luc
 Lab. of General Zoology
 University of Antwerpen (RUCA)
 Groenenborgerlaan 171
 Antwerpen 2020
 Belgium

de Jong, Gerdien
 Inst. of Plant Ecology and
 Evolutionary Biology
 Padualaan 8
 Utrecht ,3584
 The Netherlands

de Jong, Wilfried W.
 Dept. of Biochemistry
 University of Nijmegen
 P.O.Box 9101
 Nijmegen 6500 HB
 The Netherlands

de Matthaeis, Elvira
 Dept. of Animal and Human
 Biology
 Universita "La Sapienza"
 Viale Universita 32
 00185 Roma
 Italy

de Moed, Guido
Evolutionary Genetics
Rijks Universiteit Utrecht
Padualan 8,
Utrecht, 3584 CH
Netherlands

de Vito, Emanuele
Department of Genetics and
Molecular Biology
Via Lancisi 29
Rome ,00161
Italy

van Damme, Jos
Institute for Ecological Research
Boterhoechsestraat 22
Heteren 6666 GA
The Netherlands

van Dijk, Peter
Institute for Ecological Research
P.O.Box 40.
6666 ZG Heteren
The Netherlands

van Noordwijk, Arie J.
Inst. for Ecological Res.
PO. Box 40
Heteren , 6666
The Netherlands

van Tienderen, Peter
Institute for Ecological Research
P O Box 40
NL 6666 ZG Heteren
The Netherlands

ANNOUNCEMENT

*Twenty-fifth meeting of the
Population Genetics Group*

This years meeting of the **Population Genetics Group** will be held at the Leeuwenhorst Congress Centre near to Leiden in The Netherlands from **19 to 21 December 1991**. About 200 delegates are expected. There will be seven or eight invited **Plenary Lectures**. Shorter contributions to be given in one of three **parallel sessions** are encouraged from all other participants but especially from Graduate students. **Posters** will also be presented. This meeting now covers all of evolutionary biology while retaining strong interest in population genetics. Those interested ahould contact the following for an information packet:

Hans van Rijnbek and Paul Brakefield
Section of Evolutionary Biology
Dept. Population Biology
Schelpenkade ZT Leiden
The Netherlands

Tel: 31 (0) 71 130541 ext. 454/457/452
Fax: 31 (0) 71 274900

Excursions during the Congress

The following programmes are offered by the HajuTourist travell agency. The excursions organized during the Congress time can be booked at the beginning of the Congress at the reception.

Sightseeing tour in Debrecen (9⁰⁰ - 12⁰⁰ a.m. or 14⁰⁰ - 17⁰⁰ p.m.)

Debrecen - the second biggest town of Hungary - is traditional, economic and cultural centre of the territory east of the River Tisza. During the Middle Ages the town was the east bulwark of Calvinism, which is also reflected in the today's atmosphere of the town. Debrecen was proudly called as the "Calvinist Rome".

The main attraction of the town is the Great Forest where one of the finest holiday centres of the country has been created. Its well-known feature is the Thermal Bath famed for its curative water. You will visit the Big Church, the Reformed College and a local museum famous for its well-known paintings.

Excursion to Tokaj - Sárospatak (14⁰⁰ - 21⁰⁰ p.m.)

Sárospatak is the former centre of the Reformed religion in Northeast- Hungary. The Renaissance Castle, the great library of the Reformed College are unique sights.

Tokaj is the home of the worldfamous Tokaj wine which is regarded to be "the king of the wines and the wine of the kings". The wine growing in Tokaj is as ancient as the history itself. The unique aroma and healing power derives from the unique endowments of climate, the volcanic soil and the special wine producing experiences. A great number of famous people were fond of the Tokaj wine: Rossini, Voltaire, the Sunking Louis XIV.

Dinner and wine taste in the Tokaj cellar.

Excursion to the Hortobágy steppe (14⁰⁰ - 20⁰⁰ p.m.)

The Hortobágy National Park - Hungary's first national park - preserves the original landscape, the unique flora and fauna and the traditional way of life of the nomadic herdsmen.

The carriages drive accross the nature conservation area, where the ancient Hungarian breeds live among primitive conditions. Visiting the stud, you can watch an obedience exercise. The horsemen, dressed in traditional costume demonstrate an exercise with their horses, which saved the life of the former horsemen. After this they ride at full gallop ahead cracking their whips. They show their equipments and the guests can try riding in the free saddle that is not fixed on the horse.

Driving further you can watch the Grey Cattle, Racka Sheep and the shepherd dogs.
Dinner in a local Csárda.

Excursion to Eger (9.00 a.m.-18.00 p.m.)

Eger is one of Hungary's most frequently visited towns, which was a center of the catholic religion and the ecclesiastic education. The historic buildings represent a rich variety of building styles but the baroque dominates the look of the town. One can explore here the craftly designed casemates and bulwarks of the Eger fortress, which was the scene of the first defeat of the rampaging Turkish empire. As the witness of the Turkish era you can see here Europe's northermost medieval minaret.

Eger is the home of the Bulls Blood which is made of three different red-grape sorts. Lunch with wine taste in the Szépasszony Valley.

**Készült az ELTE Sokszorosítóüzemében
450 példányban**
Felelős kiadó: dr. Kiss Ádám
Felelős vezető: Arató Tamás
ELTE 91216