

Preliminary Program

Founding Congress

The European Society for Evolutionary Biology

Basel, Switzerland

26-30 August 1987

Organizers: S.C. Stearns and A.J. van Noordwijk
Zoologisches Institut
Rheinsprung 9
CH-4051 Basel, Switzerland
ph. (0041-61) 25-25-35

Locations: Kollegiengebäude, Petersplatz 1
(Scientific Sessions and Luncheon Meetings)

Zoology Institute, Rheinsprung 9
(Opening Reception and Business Meeting)

Safran Zunft, Gerbergasse 11
(Closing Banquet)

Program Overview

<u>Date</u>	<u>Time</u>	<u>Activity</u>	<u>Title</u>	<u>Presiding</u>	<u>Place</u>
26th	1600	Red tape	Registration	Staff	Aula
	1830	Social	Welcoming Reception	Stearns	Zoology
27th	0900	Plenary	Announcements	Stearns	Aula
	0915	Plenary	Presidential Address	Cain	Aula
	1000	Plenary	Selection or History?	Lewontin	Aula
	1045	Social	Coffee	Staff	Aula
	1115	A1. IS	The Evolution of Sex	Stearns	Aula
	1115	A2. IS	Mass Extinctions	Hallam	HS 2
	1115	A3. CP	Of Plants and Ecology	van Damme	HS15
	1115	A4. CP	Of Flies and Neutrality	Pamilo	HS16
	1315	Social	Lunch	Local restaurants	
	1315	Business	Council Meeting	Stearns	FakZim
	1430	B1. IS	Life-History Evolution	Reyer	Aula
	1430	B2. IS	Molecular Evolution	Bulmer	HS 2
	1430	B3. CP	Of Mice and Meiosis	Nevo	HS15
	1430	B4. CP	Development & Evolution	Holder	HS16
	1700	Plenary	Antennipedia in Evolution	Kauffman	Aula
	1800	Poster	Poster Session	Authors	Gang
	1930	Social	Dinner on the Rhine	Stearns	Rhine
	28th	0900	Plenary	Migratory Behavior	Berthold
	1000	Social	Coffee	Staff	Aula
	1030	C1. IS	Evolution of Migration	Bruderer	Aula
	1030	C2. IS	Fitness Decisions	Schmid	HS 2
	1030	C3. CP	Isozymes & Mitochondria	Sharp	HS15
	1030	C4. CP	Plant Breeding Systems	Jacquard	HS16

Program Overview

<u>Date</u>	<u>Time</u>	<u>Activity</u>	<u>Title</u>	<u>Presiding</u>	<u>Place</u>
28th	1230	Social	Lunch		Local restaurants
	1230	Business	Officers' Meeting	Cain	FakZim
	1400	D1. IS	Optimal Reproduction	Tinbergen	Aula
	1400	D2. IS	Population Genetics	Bengtsson	HS 2
	1400	D3. CP	Parasites and Evolution	Dohle	HS15
	1400	D4. CP	Sex and Survival	Law	HS16
	1600	Social	Coffee	Staff	Aula
	1630	Plenary	Evolving or Living?	Haukioja	Aula
	1730	Poster	Poster Session	Authors	Gang
	2000	Business	Founding Meeting	Officers	Zoology
29th	0900	Plenary	Insects and Host Plants	Zwölfer	Aula
	1000	Social	Coffee	Staff	Aula
	1030	E1. IS	Plant Have Weird Sex	Gouyon	Aula
	1030	E2. IS	Constraints Develop	Wagner	HS 2
	1030	E3. CP	Fit Insects Behave Well	Hamilton	HS15
	1030	E4. CP	Well-Behaved Birds	Berthold	HS16
	1230	Social	Lunch		Local restaurants
	1230	Business	Editorial Board Meeting	Stearns	FakZim
	1400	F1. IS	Parasites in Evolution	Godfray	Aula
	1400	F2. CP	De Omnibus Rebus	Hoffman	HS15
1400	F3. CP	Genes and Theories	Bell	HS16	
	F4. CP	Life-history & Body Size	Harvey	HS 2	
	1600	Social	Coffee	Staff	Aula
	1710	Plenary	Evol. Biology in France	Barbault	Aula
	1630	Plenary	Evol. Biology in Hungary	Vida	Aula
1900	Social	Closing Banquet	Harper	Safran Zunft	

SCIENTIFIC PROGRAM

-----Thursday, August 27th, Morning -----

0900	S.C. Stearns	Basel	ANNOUNCEMENTS	Aula
0915	Arthur Cain	Liverpool	PRESIDENTIAL ADDRESS	Aula
			"Evolution"	
1000	Richard Lewontin	Harvard	PLENARY ADDRESS	Aula
			"Selection or history? : The end of a struggle"	
1045			COFFEE	
1115-1315			SYMPOSIA	
A1.	THE EVOLUTION OF SEX		S.C. Stearns	Aula
1115	Bruce Levin	U. Mass	"Evolution of sex in the prokaryotes"	
1155	Graham Bell	McGill	"The comparative biology of recombination"	
1235	Alan Grafen	Oxford	"A new theory for the evolutionary maintenance of recombination"	
A2.	MASS EXTINCTIONS AND EVOLUTION	A. Hallam		HS 2
1115	Mike Benton	Belfast	"Mass extinction and the quality of the fossil record of vertebrates"	
1155	Antoni Hoffman	Warzawa	"Mass extinctions: a critical overview of the controversy"	
1235	Tony Hallam	Birmingham	"How catastrophic was the end-Cretaceous mass extinction?"	
A3.	CONTRIBUTED PAPERS		1115-1315	HS15
A4.	CONTRIBUTED PAPERS		1115-1315	HS16

----- Thursday, 27th August, Afternoon -----

1315-1430	LUNCH
1315-1430	MEETING OF THE COUNCIL (over lunch)
1430-1630	SYMPOSIA

B1. LIFE-HISTORY EVOLUTION		H-U. Reyer	Aula
1430	Eberhardt Curio	Bochum	"Parental investment decision rules and longevity"
1510	Paul Harvey	Oxford	"The comparative approach to life-history evolution"
1550	Richard Law David Grey	York	"Life-history evolution and sustainable yields from populations experiencing age-specific culling"
B2. MOLECULAR EVOLUTION		M. Bulmer	HS 2
1430	Paul Sharp	Dublin	"An evolutionary perspective of synonymous codon usage"
1510	Tom Quinn	Kingston	"Molecular population genetics of the snow goose"
1550	Adrian Hill	MRC Oxford	"Molecular surveys of globin genes in human populations"
B3. CONTRIBUTED PAPERS		1430-1630	HS15
B4. CONTRIBUTED PAPERS		1430-1630	HS16
1630-1700	COFFEE		
1700	Tom Kaufmann	Indiana	PLENARY ADDRESS
"The Antennapedia Homeotic Gene Complex in the Ontogeny and Phylogeny of Drosophila"			Aula
1800-1900	POSTER SESSION		Outside HS15 and HS16
1930	DINNER ON THE RHINE		

Meet at the Verkehrsverein, Schiffslände, Mittlerrheinbrücke

----- Friday, August 28th, Morning -----

0900	Peter Berthold	Andechs	PLENARY ADDRESS	Aula
"Evolutionary aspects of migratory behavior in European Warblers"				
1000-1030		COFFEE		
1030-1230		SYMPOSIA		
C1.	THE EVOLUTION OF MIGRATION	B. Bruderer		Aula
1030	Hugh Dingle	Davis	"What are the consequences of migration for genetics and evolution?"	
1110	Thomas Alerstam	Lund	"What is optimized in bird migration? The relative importance of time, energy and safety."	
1140	Robin Baker	Manchester	"Evolution of long-distance migration in terrestrial vertebrates"	
1210	Lukas Jenni	Sempach	"Differential bird migration and seasonal timing"	
C2.	STRATEGIC FITNESS DECISIONS	P. Schmid-Hempel		HS 2
1030	Alasdair Houston	Oxford	"Relating foraging to fitness"	
1110	Peter Hammerstein	Seewiesen	"Strategies and payoffs in spider games"	
1150	Nigel Franks	Bath	"Factory design, division of labor, and fitness in ants"	
C3. CONTRIBUTED PAPERS			1030-1230	HS15
C4. CONTRIBUTED PAPERS			1030-1230	HS16

----- Friday, August 28th, Afternoon -----

1230-1400	LUNCH		
1300-1400	MEETING OF THE OFFICERS OF THE SOCIETY		
1400-1600	SYMPOSIA		
D1. OPTIMAL REPRODUCTION	J. Tinbergen	Aula	
1400 Joost Tinbergen	Heteren	"Optimal brood size in the Great Tit: a trade-off between current and future reproduction"	
1440 Dirkjan Masman	Heteren	"Parental energetics and individual optimization of brood size in the kestrel"	
1520 Alex Kacelnic	Cambridge	"Food allocation between parent and young: evolutionary trade-offs and short-term parental decisions"	
D2. POPULATION GENETICS	B.O. Bengtsson	HS 2	
1400 Pekka Pamilo	Helsinki	"On the causes and consequences of sociality in haplodiploid insects"	
1440 Dominique Anxolabéhère	Paris	"Population genetics and evolution of P transposable elements"	
1520 Bengt Bengtsson	Lund	"The importance of chromosome mutations in evolution: Evidence from the common shrew"	
D3. CONTRIBUTED PAPERS	1400-1600	HS15	
D4. CONTRIBUTED PAPERS	1400-1600	HS16	
1600-1630	COFFEE		
1630 Erkki Haukioja	Turku	PLENARY ADDRESS	Aula
		"What is important: evolving or living?"	
1730-1830	POSTER SESSION		
1830-1945	DINNER ARRANGED INDIVIDUALLY		
2000-2130	BUSINESS MEETING TO FOUND THE SOCIETY Grösser Hörsaal, Zoologisches Institut		

----- Saturday, August 29th, Morning -----

0900 Helmut Zwölfer Bayreuth PLENARY ADDRESS Aula

"The evolution of host pattern in herbivorous insects"

1000-1030 COFFEE
1030-1230 SYMPOSIA

E1. THE EVOLUTION OF REPRODUCTIVE SYSTEMS P-H. Gouyon Aula

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|------|---|-----------------------|--|
| 1030 | Chris Gliddon
P.-H. Gouyon
Denis Couvet | Bangor
Montpellier | "Nucleo-cytoplasmic conflicts
and the meaning of fitness" |
| 1110 | P.-H. Gouyon | Montpellier | "Nucleo-cytoplasmic conflicts
in thyme" |
| 1150 | Joost van Damme | Heteren | "The reproductive system
of Plantago" |

E2. THE ORIGIN OF DEVELOPMENTAL CONSTRAINT G. Wagner HS 2

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|------|--------------|---------|---|
| 1030 | Nigel Holder | London | "The origin of developmental
constraints in the evolution
of the tetrapod limb" |
| 1110 | Gerd Müller | Wien | "Experimental approaches to the
origin of developmental constraint" |
| 1150 | Brian Hall | Halifax | "The origin of developmental
constraints as illustrated by
the evolution of the skeleton" |

E3. CONTRIBUTED PAPERS 1030-1230 HS15

E4. CONTRIBUTED PAPERS 1030-1230 HS16

----- Saturday, August 29th, Afternoon -----

1230-1400	LUNCH
1230-1400	MEETING OF THE EDITORIAL BOARD
1400-1600	SYMPOSIA

F1. THE ROLE OF PARASITES IN EVOLUTION C. Godfray Aula

1400 Charles Godfray London "Behavioral ecology of parasitic wasps"

1440 Anne Keymer Oxford "Host-parasite ecology: an evolutionary perspective"

1520 Bill Hamilton Oxford "Hereditary health and the prospects for good gene sexual selection"

F2. CONTRIBUTED PAPERS 1400-1600 HS15

F3. CONTRIBUTED PAPERS 1400-1600 HS16

F4. CONTRIBUTED PAPERS 1400-1600 HS 2

1600-1630 COFFEE

1630 Robert Barbault Paris PLENARY ADDRESS Aula

"Population Biology and Evolutionary Ecology in France:
Current State and Future Prospects"

1710 Gabor Vida Budapest PLENARY ADDRESS Aula

"Current state and future prospects of evolutionary biology in Hungary"

1900 BANQUET Safran Zunft

2030 John Harper Bangor CLOSING COMMENTS

Sunday, August 30th DEPARTURE gute Reise!

-- CONTRIBUTED PAPERS THURSDAY AUGUST 27TH MORNING --

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|------------|---|---------------------|-------------|
| <u>A3.</u> | <u>OF PLANTS AND ECOLOGY</u> | <u>J. van Damme</u> | <u>HS15</u> |
| 1115 | Konrad Bachmann, Amsterdam. "Speciation after long-distance dispersal in <i>Microseris</i> (Asteraceae)" | | |
| 1135 | Christer Björkman, Uppsala. "Responses of pine sawflies to resin acids" | | |
| 1155 | Judith Bronstein, Montpellier. "Fig pollination: the consequences of conflicts in an obligate mutualism" | | |
| 1215 | Heidi Dobson, Uppsala. "Functional aspects of pollen odor in pollination biology" | | |
| 1235 | P. Kakes, Amsterdam. "Costs and benefits of defence in plants: The case of the cyanogenic system in <i>Trifolium repens</i> ." | | |
| 1255 | Rainer Lösch, Kiel. "Evolution by selection of physiological characters of Macaronesian Sempervivoideae" | | |
| <u>A4.</u> | <u>OF FLIES AND NEUTRALITY</u> | <u>Pekka Pamilo</u> | <u>HS16</u> |
| 1115 | Einer Arnason, Reykjavik. "Experimental tests of neutrality in <i>Drosophila pseudoobscura</i> " | | |
| 1135 | R. Bijlsma, Groningen. "The adult component of selection in <i>Drosophila melanogaster</i> : some aspects of mating success" | | |
| 1155 | J. Bouletreau-Merle, Lyon. "Clinal variation in initial retention and reactivity to insemination in <i>Drosophila melanogaster</i> as a fitness strategy" | | |
| 1215 | Sandro Cavicch, V. Natali, D. Guerra, G. Giorgi, Bologna. "Temperature-related divergence in experimental populations of <i>Drosophila melanogaster</i> : III. Wing compartments as units of selection" | | |
| 1235 | J.R. David, P. Capy, B. Delay, Gif-sur-Yvette. "Testing the neutral hypothesis of enzyme polymorphism by release of genetically marked flies in a natural population" | | |
| 1255 | J. Lumme, R. Heino, J. Reinikainen, Oulu. "Genetic analysis of geographical distribution: a <i>Drosophila</i> case" | | |

-- CONTRIBUTED PAPERS THURSDAY, AUGUST 27TH AFTERNOON --

B3. OF MICE AND MEIOSIS

Eviatar Nevo

HS15

- 1430 Valerie Bolomier, Montpellier. "Cytogenetics of Danish Robertsonian house mouse populations"
- 1450 Uzi Ritte, Jerusalem. "Changes in H-2 polymorphism in a wild population of the house mouse in Israel"
- 1510 Flavie Vanlerberghe, Montpellier. "Analysis of a hybrid zone: Genetics of the interactions between 2 European semispecies of the house mouse"
- 1530 E. Olmo, G. Odierna, T. Capriglione, A. Moreschalchi, Genoa. "Karyology and phylogenesis of lizards"
- 1550 Drosopoulos Sahis, Athens. "Pseudogamy: Further evidence for its origin and role in speciation"
- 1610 Bruno Streit, Thomas Städler, Frankfurt. "Phenotypic and genetic variability among field populations of *Ancylus fluviatilis* (Gastropoda: Basommatophora)"

B4. Development and Evolution

Nigel Holder

HS16

- 1430 Wolfgang Dohle, Berlin. "Changes of spiral cleavage during evolution"
- 1450 Larry Hufford, Zürich. "Floral ontogenetic evolution and phylogenetic patterns"
- 1510 Alessandro Minelli, Padova. "On the phylogeny of segmentation within the Articulata"
- 1530 Wim Scharloo, Utrecht. - no title received -
- 1550 Gerhard Scholtz, Berlin. "Evolution of germ band formation in the Malacostraca (Crustacea)"
- 1610 Kari Vepsäläinen, Helsinki. "Punctuated vs. gradualistic evolution - a solution to the controversy"

- CONTRIBUTED PAPERS FRIDAY, AUGUST 28TH MORNING -

C3. ISOZYMES AND MITOCHONDRIA

Paul Sharp

HS15

- 1030 Anne Blanquer, Montpellier. "Gene flow between populations of *Platichthys flesus* in the Baltic and the North Seas"
- 1050 Wil van Delden, Groningen. "Allozyme and inversion polymorphisms"
- 1110 Eviatar Nevo, Haifa. "Genetic diversity differentiation: patterns and theory"
- 1130 Loredana Nigro, Padova. "First results on selection affecting two different mitochondrial genotypes"
- 1150 J.D. Partington, Swansea. "Genetic differentiation in British populations of the Arctic Char (*Salvelinus alpinus*)"
- 1210 Valerio Sbordoni, G. Allegrucci, F. Baldari, D. Cesaroni, Roma. "Evolutionary genetics of cave adapting species: the case of *Procambarus* (Crustacea, Decapoda) from Constitucion (Chiapas, Mexico)"

C4. PLANT BREEDING SYSTEMS

Pierre Jacquard HS16

- 1030 Dan Cohen, Reuven Dukas, Jerusalem. "The optimal number of female flowers in plants"
- 1050 Martin Lechowicz, Michael Farris, Montreal. "The genetic basis of functional relationships among traits regulating the reproductive success of *Xanthium strumarium* (Compositae)"
- 1110 Steph Menken, Hans den Mijs, Amsterdam. "Breeding system dynamics in *Taraxacum* section *Vulgaria*"
- 1130 M.D. Ross, Peter Bredehoff, Göttingen. "Trioecy in ash (*Fraxinus excelsior*): A quantitative study of the breeding system with estimates of fitness, asymmetry and functional sex"
- 1150 Jacqui Shykoff, Basel. "The maintenance of sex polymorphism in *Silene acaulis* (Caryophylaceae) through fecundity differences, inbreeding depression and sexual selection"

- CONTRIBUTED PAPERS FRIDAY, AUGUST 28TH AFTERNOON -

- D3. Parasites and Evolution Anne Keymer HS15
- 1400 Zvia Agur, Weizmann Institute. "The evolution of variability in pathogens and hosts"
- 1420 C. Combes, Perpignan. "What do we know about the evolution of human schistosomes?"
- 1440 A. Fleuriet, Aubière. "D. melanogaster and the hereditary Sigma virus: invasion of a natural population by a better adapted viral type"
- 1500 S.F. Hubbard, Dundee. "Oviposition and the avoidance of superparasitism in solitary parasitic wasps"
- 1520 M.W. Sabelis, Leiden. "Evolution of pseudoarrhenotoky in phytoseiid mites"
- 1540 André Theron, Perpignan. "Cercarial emergence rhythms of schistosomes: adaptive significance"
- D4. SEX AND SURVIVAL Richard Law HS16
- 1400 G. Ernsting, Amsterdam. "Ageing and the cost of reproduction"
- 1420 Jan Kozlowski, Kraków. "Sigmoid growth curves result from the optimal allocation of energy to growth and reproduction"
- 1440 L. Linton, R. Sibly, P. Calow, Sheffield. "Computer testing of life-history theory"
- 1500 Leo Luckenbill, Detroit. "The genetics of lifespan in *Drosophila*"
- 1520 Bernt Erik Saether, Trondheim. "Life history evolution in birds"
- 1540 Gabriella Sella, Torino. "Evolution of cooperative behavior in the reproductive system of a simultaneously hermaphroditic polychaete worm"

- CONTRIBUTED PAPERS SATURDAY, AUGUST 29TH MORNING --

- E3. FIT INSECTS BEHAVE WELL W.D. Hamilton HS15
- 1030 J.J. Boomsma, Utrecht. "Variable relatedness asymmetry and extreme sex ratios in social Hymenoptera"
- 1050 I.F. Harvey, Dundee. "Territorial behavior and copulatory success in dragonflies"
- 1110 T.M. van der Have, A.F.G. Bourke, Utrecht. "The genetic structure of the slave-making ant *Harpagoxenus sublaevis*"
- 1130 Robin Moritz, Erlangen. "Individual and group selection in honeybees"
- 1150 Riitta Savolainen, Helsinki. "The effect of red wood ants on the fitness of *Formica fusca*"
- 1210 Peter Wirtz, Freiburg. "An extreme case of interspecific territoriality: male *Anthidium manicatum* (Hymenoptera, Megachilidae) maim and kill intruders"
- E4. WELL-BEHAVED BIRDS Peter Berthold HS16
- 1030 Rauno Alatalo, Oulu. "Patterns of variation of tail ornaments in birds"
- 1050 Carlos Bernstein, Alex Kacelnik, John Krebs, Cambridge and Oxford. "Individual decisions and the distribution of predators in a patchy environment"
- 1110 Brent Danielson, Oslo. "The best memory for temporal variability: How much forgetting is optimal?"
- 1130 Tim Guilford, Marian Stamp Dawkins, Oxford. "Search images not proven: a reappraisal of recent evidence"
- 1150 Lars Gustafsson, Uppsala. "Illusive evolution: the role of the environmental component in Collared Flycatchers"
- 1210 A.P. Møller, Uppsala. "Testes size, ejaculate quality, and sperm competition in birds"

-- CONTRIBUTED PAPERS SATURDAY, AUGUST 29TH AFTERNOON --

- F2. De Omnibus Rebus Antoni Hoffman HS15
1400 Serge Boletzky, Banyuls. "Life-history evolution
in cephalopods"
1420 S. Moya, J. Agusti, Sabadell. "Tempo and mode in the
evolution of the fossil Balearic goat *Myotragus*"
1440 Peter Sheldon, Dublin. "Gradualistic evolution
in the trilobite *Cnemidopyge*"
1500 Martino Rizzotti, Padova. "Sequences of EeC Hemoglobin"
1520 Joseph Jourdane, Perpignan. - awaiting title -

- E3. Theoretical and Demographic Genetics Graham Bell HS16
1400 Richard Abbott, St. Andrews. "Demographic genetics
of a polymorphism for outcrossing rate"
1420 Reinhard Bürger, Wien. "The maintenance of polygenic
variation: Deterministic versus stochastic models"
1440 H.J. Geiger, Bern. "Being genetically impoverished -
an adaptive strategy?"
1500 Rolf Hoekstra, Groningen. "Intragenomic conflict
and the evolution of mating types"
1520 Suresh Jayakar, Pavia. "Models of variable selection
for a quantitative trait: three environments"
1540 L. Ulizzi, A. Novello, L. Tennenato, Roma. "Demographic
genetics as a tool in evolutionary biology studies"

-- CONTRIBUTED PAPERS SATURDAY, AUGUST 29TH AFTERNOON --

E4. Life histories, Body Size, Selection Joost Tinbergen

HS2

- 1400 **Henri Andre, Tervuren.** "Complex life cycles as the key factor in species diversification of the arthropods"
- 1420 **J.J.D. Greenwood, Dundee.** "Frequency dependent selection by predators of aposematic prey"
- 1440 **Finn Kjellberg, Montpellier.** "Density dependent interspecific competition based on sex ratios"
- 1500 **Juan Moreno, Uppsala.** "Winter energetics of coniferous forest tits, *Paridae*, in the North: the implications of body size"
- 1520 **Thierry Pilorge, J. Clobert, Paris.** "Is body size a central parameter in the life history of *Lacerta vivipara* ?"
- 1540 **Andrea Pugliese, Povo.** "Optimal life history models for perennial plants: applications to *Smilacina racemosa*"

POSTERS

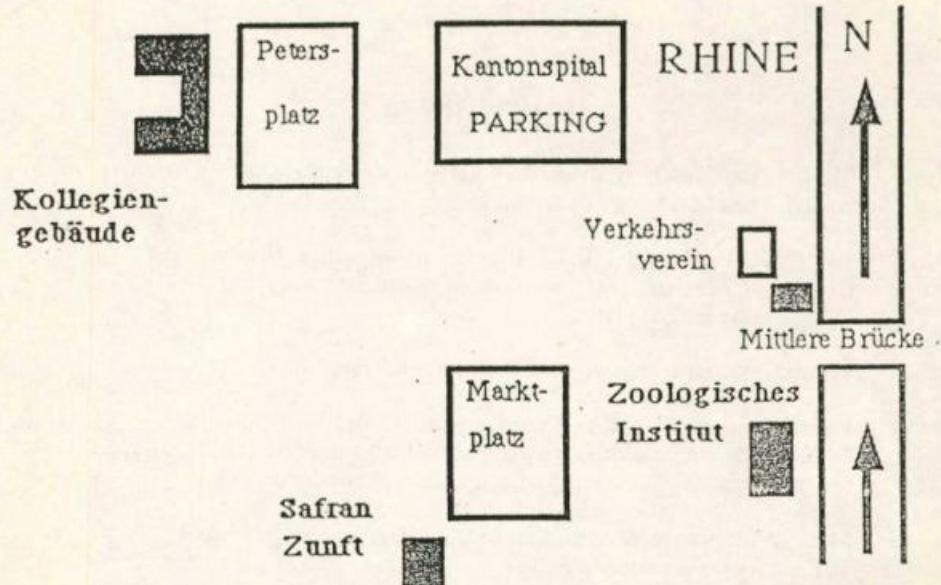
- (1) Marc Bergmans. Brussels. Structured demes and the sex ratio in *Tisbe pori* (Copepoda)
- (2) Alberta Boato. Padova. Genetic diversity, microevolution and speciation in the NW-Mediterranean snail Genus *Solatopupa* (Pulmonata: Chondrinidae).
- (3) Donatella Cesaroni, G. Allegrucci, C. Angelici, T. Racheli, and V. Sbordoni. Roma. Allozymic and morphometric analysis of populations in the *Zygaena minos-purpuralis* complex (Lepidoptera: Zygaenidae)
- (4) Marina Cobolli-Sbordoni, M. Mattoccia, G. La Rosa, E. De Matthaeis, and V. Sbordoni. Roma. Secondary sympatric occurrence of sibling species of subterranean shrimp in the Karst.
- (5) Rodolfo Costa. Padova. An enzymatic polymorphism involved in reproduction in *D. melanogaster* and *D. simulans*.
- (6) Andreas Dally. Montpellier. RFLP of rice chloroplast DNA confirms the hypothesized evolutionary scenario.
- (7) Hans Ek and Katarina Hedlund. Lund. A labelling method for studying mate choice in Collembola.
- (8) Ann Erlandsson. Lund. Prey sharing in the water cricket *Velia caprai* (Tham.)
- (9) Giancarl Fava and Corrado Fusari. Venezia. Variations of quantitative traits and asymmetry in marine and lagoon populations of the copepod *Tisbe holothuria*, grown under different salinities.
- (10) Saverio Forestiero, L. Bullini and V. Sbordoni. Roma. Individual vs. kin selection: survival data from aposematic moths in predation experiments.
- (11) Wilfried Gabriel. Plön. Vertical migration of zooplankton is an evolutionarily stable strategy.
- (12) A. Galiana, J. Castro, A. Moya, and F.J. Ayala. Valencia. Sexual isolation via founder effect among *Drosophila pseudoobscura*.
- (13) Gabriela Gerlach. Konstanz. Dispersal in House Mice.
- (14) Gianfranco Ghiara. Napoli. Viviparity in Scincidae (Reptilia: Lacertidae): Placental structure and endocrine regulation.

POSTERS

- (15) Günther B. Hartl and Martin Grillitsch. Wien. Genetic variability and molecular evolution in large mammals.
- (16) Judith A. Irwin and R.J. Abbott. St. Andrews. Causes of the polymorphism for outcrossing rate in *Senecio vulgaris*.
- (17) A. Köhler, J. Krause, and W. Köhler. Giessen and Berlin. Genetic architecture of a population after long-term selection.
- (18) Barbara König. Basel. Costs and benefits of cooperative nursing in house mice.
- (19) M. Linden. Uppsala. Clutch size and fitness in Great Tits.
- (20) Roselyne Lumaret. Montpellier. Adaptive strategies and polyploidy in *Dactylis glomerata L.*
- (21) John McNamara. Bristol. Dynamic optimization and game theory in daily routines.
- (22) Claudine Montlegard. Montpellier. Albumin comparison of several species of rodents by ELISA.
- (23) Silvia Perotto. Torino. Ecological and evolutionary aspects of mycorrhizal symbiosis.
- (24) Mario Pestarino. Genova. The neuroendocrine system of ascidians: evolutionary aspects.
- (25) Jean-Pierre Pointier. Paris. Population biology of the parthenogenetic snail *Thiara tuberculata*.
- (26) C. Ricci. Milano. *Macrotrachela quadricornifera* (Rotifera, Bdelloidea): a comparison among thelytokous populations.
- (27) Bernhard Schmid. Basel. The structure of phenotypic variation in old-field perennials.
- (28) Sun San-sheng. Beijing. Studies on the Genus *Fraxinus L.* (Oleaceae) in China.
- (29) Tamas Szekeley and T. Szép. Budapest. Experimental tests on mixed-species flocks of birds.

POSTERS

- (30) Michel Vancassel, Rennes. Can variations in female earwig parental behavior be considered as adaptations?
- (31) J.P. Wacquant and J. Baus. Picard. Montpellier, France, and Chapingo, Mexico. Differentiation of nutritional ecotypes by dust rains in lime pits.
- (32) Monika Wawra. Seewiesen. Vigilance in *Homo sapiens*.
- (33) Ph. Welbergen, F. van Dijken, W. Kohler, and W. Scharloo. Giessen. The relationship between sexual behavior and sexual isolation between *Drosophila melanogaster* and *Drosophila simulans*.
- (34) M.L. Whitehouse. Dyfed. Stabilizing selection on rib number in the cockle *Cerastoderma edule*.
- (35) Hans Georg Wolf, Plön. Interspecific hybridization and the timing of sexual reproduction in *Daphnia*.
- (36) Laura A. Zonta. Pavia. -- awaiting title --



Kollegiengebäude

