Managing Editor
L. Beckman, Umeå Editor
M. Hauge, Odense
Editorial Board
A.C. Allison, Harrow
A.G. Beam, New York, N.Y.
K. Berg, Oslo
J.A. Book, Uppsala
L.L. Cavalli-Sforza, Stanford, Calif.
T.J. David, Manchester
E. Essen-Möller, Lysekil
F.C. Fraser, Montreal
J.A. Fraser Roberts, London
N. Freire-Maia, Curitiba
J. Frézal, Paris
L. Gedda, Rome
R. Grubb, Lund
K. Henningsen, København
H. Lehmann, Cambridge
Margareta Mikkelsen, København
P.O. Pedersen, København Marianne Rasmussen, Umeå S. Refsum, Oslo L.D. Sanghvi, Bombay
E. Strömgren, Risskov
R. Turpin, Paris
F. Vogel, Heidelberg
M. Whittaker, Exeter

Drug Dosage
The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to
check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved.

No part of this publication may be translated into other languages, reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, microcopying, or by any information storage and retrieval system, without permission in writing from the publisher or, in the case of photocopying, direct payment of a specified fee to the Copyright Clearance Center (see ‘Information for Readers and Subscribers”).

© Copyright 1983 by S. Karger AG, P.O.Box, CH-4009 Basel (Switzerland) Printed in Switzerland by Buchdruckerei Basler Zeitung + Basler Nachrichten AG, Basel

Contents Vol. 33, 1983

No. 1

Original Paper
An Exact Statistical Test for the ABO System
Haber, M 1

Ge Subtypes in Icelanders
Karlsson, S.; Skafadottir, I.; Arnason, A.; Thordarson, G.; Jensson, O 5

Is There a Positive Assortative Mating for the P Blood Group?
Rasmusson, M.; Valentin, J 9

Paternity Exclusion and the Paternity Index for Two Linked Loci
Chakraborty, R.; Hedrick, P.W 13

Is Pi a Selectively Balanced Polymorphism?
Martin, N.G.; Oakeshott, J.G 24

A Note on Positive Identification of Paternity by Using Genetic Markers
Majumder, P.P.; Nei, M 29

Genetic Polymorphisms of C3 and Bf in the Chinese Population
Tongmao, Z 36

The Inter- and Intra-Tribal Distribution of Red Cell G6PD Phenotypes in Sudan
Saha, N.; Samuel, A.P.W.; Omer, A.; Hoffbrand, A.V 39

Blood Groups, Haptoglobins and Red Cell Isoenzymes of the Jat Sikhs of Ludhiana District, Panjab, India
Woolley, V.; Gill, P.S.; Sunderland, E 44

Short Communications
Comparative Study of Phenotypes on Activity and Plasma Concentration in the Genetic System of Plasminogen
Kera, Y.; Nishimukai, H.; Yamasawa, K.; Komura, S 52

Distribution of Red Cell Enzyme Polymorphisms in South-West Poland
Dobosz, T 55

A Higher Incidence of Congenital Structural Talipes equinovarus in Gipsies
Bellyei, A.; Czeizel, A 58

Digital Dermatoglyphics of Koyas: A Population Study
Prasad, J.D 60

Polymorphism of Delta-Aminolevulinic Acid Dehydratase in Various Populations
Benkmann, H.-G.; Bogdanski, P.; Goedde, H.W 62
Carracedo, A.; Concheiro, L  160
Genetic Aspects of Myopia among the Shia Muslim Dawoodi Bohras of Udaipur, Rajasthan
Basu, S.K.; Jindal, A  163
Familial Resemblance in Catecholamine Changes to Cold Stress and Maximal Exercise
Bouchard, C; Leblanc, J.; Côté, J.; Jobin, J.; Jobin, M.; Labrie, A.; Leblanc, C  170
Short Communications
Taste Sensitivity to Phenylthiocarbamide in the Salamis Island Population (Greece)
Panayotou, T.; Kritsikis, S.; Bartsocas, C.S  179
Alpha-Antitrypsin Phenotypes in Canadian Metis
Low Rates of Loss in Other Pregnancies and Liveborn Siblings of Sudden Infant Death
Syndrome Victims
Spiers, P.S  184
Group-Specific Component and Haptoglobin Phenotypes in Multiple Myeloma
Gemenis, A.; Babionitakis, A.; Kaloterakis, A.; Filiotou, A.; Fertakis, A  188
Contents
Haptoglobin Subtypes in Barcelona (Spain)
Moral, P.; Panadero, A.M  192
Distribution of Haptoglobin Subtypes in Continental Italy and Sardinia
Santoro, C; Olivetti, E.; Carbonara, A.O  195
Gc Subtypes in Northern Indians
Karlsson, S.; Skaftadóttir, I.; Ærnason, A.; Mackintosh, P.; Jensson, Ó  199
No. 4
Original Paper
Glm(a) and Gm(x) Alleotype Distribution in a Population from Calabria (Italy)
De Benedictis, G  201
Properties of the Major Gene Index and Related Functions
Mayo, O.; Eckert, S.R.; Nugroho, W.H  205
Low Haemoglobin Levels in A(T) and O Blood Groups
Mukherjee, D.P.; Das, M.K  213
Human Phosphoglucomutase Locus 1: Red Cell Enzymatic Activities Associated with Common Isoelectric Focusing Phenotypes
Scacchi, R.; Corbo, R.M.; Palmarino, R.; Sacco, G.; Arnone, M.; Lucarelli, P  218
The Cincinnati Lipid Research Clinic Family Study: Commingling in the Distributions of Lipids and Lipoprotein Concentrations
McGue, M.; Laskarzewski, P.; Rao, D.C.; Glueck, C.J  223
Incidence of Hepatitis B (Australia) Antigen among Three Communities in Malarial Western Maharashtra, India
Joshi, S.H.; Baxi, A.J.; Mukherjee, B.N.; Malhotra, K.C.; Kate, S.L  231
Distribution of Transferrin (Tf) Subtypes in Asian, Pacific and Australian Aboriginal Populations:
Evidence for the Existence of a New Subtype TfC6
Kamboh, M.I.; Kirk, R.L  237
An Exact Linkage Test for Multiple Case Families
Morton, N.E  244

Acid Phosphatase among Brahmin and Kamma Caste Populations of Coastal Andhra Pradesh, India
Naidu, J.M.; Veerraju, P  250

HLA Haplotype Segregation in Families of Type 1 Diabetics
Walsh, L.J.; Ehrlich, R.M.; Falk, J.A.; Simpson, N.E  253

Short Communication
Genetics of Plantar Interdigital Ridge Counts
Mathew, S.; Satyanarayana, M  261

No. 5

Original Paper
Association between Alpha-1-Antitrypsin Types and the Common Cold
Martin, N.G.; Oakeshott, J.G.; Clark, P.; Carr, A  265

Genetic Studies in Poland
Wolanski, N.; Nahar, R.A.; Roberts, D.F  270

Family Resemblance for Blood Pressure
Iselius, L.; Morton, N.E.; Rao, D.C  277

VI Contents
Blood Pressure Levels of Rellis (India) with Special Reference to Variations with Age
Rao, R.S  287

Extensions to Pedigree Analysis. V. Optimal Calculation of Mendelian Likelihoods
Lange, K.; Boehnke, M  291

Distribution of Hp, Tf, Gc and Pi Polymorphisms in a Nepalese Population

A Note on Fitness of Haemoglobin Genotypes in the Bengali-Speaking Population

A Genetic Study of Red Blood Cell Zinc Concentration in Man
Daru, P.; Lalouel, J.M.; Henrotte, J.G.; Rao, D.C  311

Short Communications
Human Red Cell Glutamic-Pyruvic Transaminase Polymorphism in Serbia, Yougoslavia
Kalimanovska, V.; Majkic-Singh, N.; Stojanov, M.; Grozdanic, V.; Vucetic, G.; Andelic, ML; Gligoric, V.; Tomasevic, R  319

Digital and Palmar Dermatoglyphic Patterns among Natives of Extreme Northwest Nepal
Larrick, J.W.; Plato, C.C  322

Normal Values for Interpupillary, Inner Canthal and Outer Canthal Distances in an Indian Population
Singh, J.R.; Banerjee, S  326

No. 6

Original Paper
Further Studies on the Genetics of the Chamorros of Guam: Dermatoglyphics
Plato, C.C; Garruto, R.M.; Gadusek, D.C  329

Genetic Analysis of Multiply-Affected Families of Insulin-Dependent Diabetes Mellitus (IDDM) Proband
Murphy, C.C; Go, R.C.P.; Acton, R.T.; Barger, B.O.; Roseman, J.M  344
Blood Group, Serum Protein and Red Cell Enzyme Polymorphisms in Filipinos
Windhof, O.; Walter, H  357
Population Studies in Northern Sweden. XL The Duffy Blood Group Polymorphism
Cedergren, B.; Nordenson, I.; Beckman, L  365
Population Studies in Northern Sweden. XII. The Haptoglobin Polymorphism
Beckman, L.; Beckman, G.; Frölander, N  371
Evaluating Pedigree Data. II. Identifying the Cause of Error in Families with Inconsistencies
Short Communication
Individual Differences with Respect to the Sneezing Reflex: An Inherited Physiological Trait in Man?
Beckman, L.; Nordenson, I  390
Author Index  392
Subject Index  394