

THE WISCONSIN GENOTYPE

A News Letter to Former Students

Edited by the present Graduate group

Department of  
Genetics  
Number 22.Harry Laidlaw  
EditorNick Cuthbert  
Asst. Ed.College of  
Agriculture  
Jan. 1, 1937FOREWARD

The Linkage Group members now at Wisconsin extend the season's greetings to former members of the Genetics Department.

The last number of THE GENOTYPE consisted of information on the whereabouts and activities of members who have left Wisconsin to go to various parts of the world. In the present number we have chosen to remain closer home.

EXTRA!

A baby girl, Harriet Anne, was born to Dr. and Mrs. M. R. Irwin, November 19, 1937, at 3 AM. The Brinks could not see any reason why the Irwins should have all the glory, so they adopted a baby girl. Margaret Alexandra Brink is her name!

FACULTY WORK

Dr. L. J. Cole relinquished teaching the elementary Genetics Course this year because other Departmental duties had increased to the point where he had insufficient time to devote to the course. He is still carrying on his research work with pigeons and doves.

The Department is proud that its Chief has recently been made Consulting Editor of the McGraw-Hill publications in the Agricultural Sciences. He was also this summer elected a Fellow of the Poultry Science Association.

Dr. R. A. Brink, Professor of Genetics, is working on the problems of developing a means of detecting uncontrolled pollination in crossing fields and in developing winter hardy, wilt resistant strains of alfalfa which have good seed setting capacity. He is also studying the physiological effects of plant colors in corn.

Dr. M. R. Irwin, Associate Professor of Genetics, is teaching the elementary Genetics Course, which is now Genetics 1 (4 cr., including laboratory) rather than 101. He is also making genetic studies of the biochemical characters in the red blood cells which differentiate species, principally doves.

Dr. G. H. Rieman, Associate Professor of Genetics, Horticulture and Plant Pathology, is studying the inheritance of scab resistance in the Irish potato.

Dr. L. E. Casida, Assistant Professor of Genetics, is working on the physiology of reproduction in cows as related to breeding efficiency. He will teach a course next semester in the reproduction of farm animals, and he is at present with Dr. Dickerson teaching a Short Course class in animal breeding.

Dr. D. C. Cooper, Assistant Professor of Genetics and Research Associate in Botany, is engaged in making cytological studies of the plants which the members of the Department are working with genetically.

Dr. N. P. Neal, Assistant Professor of Agronomy and Genetics, is in charge of the breeding program to supply crossing stocks for commercial producers of hybrid corn.

Dr. W. K. Smith, Assistant Professor of Genetics and Agronomy, is continuing his work on the correlation between the toxic effects and coumarin content of sweetclover. Dr. Brink's discovery that Melilotus dentatus, a non-toxic sweet-clover, does not contain coumarin has added strength to the belief that coumarin is the cause of the toxicity of other species. Rabbits are being used to test the toxic effect of the sweetclover hay.

Dr. A. B. Chapman, Instructor in Genetics, is conducting the fly laboratory which is now part of the elementary genetics course. He is also working on the inheritance of ovarian response to the gonadotropic hormone in rats.

Dr. G. E. Dickerson, Instructor in Genetics and Dairy Records, in addition teaching in Short Course, is doing research on the improvement of cattle through a breeding program. Next semester he will assist Dr. Cole in teaching Animal Genetics (Genetics 105).

#### GRADUATE STUDENTS

Donald Bell, M.S., Assistant in Animal Husbandry and formerly of Rupert, Idaho, is minoring in Genetics. He is experimenting with alteration of the heat period in sheep.

Warren Black, B. A. '36 Ohio State, and John Dick, B. A. '32; M.S. '33 Ohio State, are assisting Dr. Irwin with the immunogenetic work. They each have some phase of immunology as a research problem.

John Boyes, M.S., University of Saskatchewan, is majoring in Botany and working on various members of the Plumbaginaceae. He is minoring in Genetics.

Vernon C. Brink, B.S. '34; M.S.A. '36 University of British Columbia, is assisting Dr. W. K. Smith with the sweetclover toxicity studies.

Kenneth Brown, M.S. of Kansas City, Missouri, is assisting Dr. Rieman in the potato breeding program work.

Adrien Côté, L.S.A. '32 University of Montreal, is working with Dr. Casida in studies of the physiology of reproduction.

Nick Cuthbert, B.A. '36 Iowa University, M.S. '37 University of Wisconsin, is working on the ovarian cycle of Ring Doves and assisting Dr. Cole with the pigeon and dove records.

Lloyd Ferguson, D.V.M. Instructor in Veterinary Science, '34 Ohio State University, M.S. University of Wisconsin, is working on immunogenetic reaction of cows and is assisting Dr. Irwin with the work on Bang's disease.