AGREEMENT ON JOINT RESEARCH PROGRAM AND EXCHANGE

between the Faculty of Agricultural Sciences
Institute for Agro-Ecology, Zagreb, Yugoslavia
and
the Department of Agricultural Engineering
College of Agriculture
Iowa State University, Ames, Iowa, USA

This Memorandum of Agreement (MOA) between the Institute of Agro-ecology, Zagreb, Yugoslavia and the Department of Agricultural Engineering, Iowa State University, USA, provides for a collaborative program of instruction, research, curriculum development, information, dissemination, and student and faculty exchange. The MOA will continue for a period of five years (1990-1995) and may be extended by mutual agreement. It can be terminated by either counterpart through written notification to the other institution.

The following activities are appropriate for collaborative efforts; other academic activities may be added when developed and approved by the two partners.

Both partners agree to facilitate, where financially feasible, long- and short-term exchanges of faculty and staff. Sabbaticals, faculty improvement leaves, visiting professorships, research collaboration, and other activities are contemplated. To this end, both partners will explore different routes for funding the exchange program. The exchange will involve programs relating to teaching and research.

Research activities will initially be focused on better understanding of the drainage properties of agricultural soils as affected by current cropping practices. In particular, research efforts will concentrate on installation of subsurface drainage systems with different drain spacings to evaluate the influence of fluctuating water tables on subsurface drain discharge, leaching of agricultural chemicals (nitrate and pesticides) to shallow groundwater, dynamics of soil moisture, and crop yields. Field experiments will be conducted to develop recommendations on the effectiveness of water table management systems in terms of productivity, profitability, and control of environmental impacts. In addition, efforts will be made to develop drainage simulation models for the design of drainage systems under different climatic and soil conditions. In order to apply the knowledge gained from field drainage experiments and/or drainage models at the regional scale for solving the agricultural drainage problems, both partners will work together on the development and establishment of integrated management systems.
Collaborative efforts in other areas of research will be focus on:

- exchange of graduate and undergraduate students;
- exchange of research faculty to complement both programs;
- exchange of educational tools such as slides and media graphics;
- training in computer aided design techniques for designing drainage systems.

Whereas the initiative is taken by the above cited partners, collaborative efforts may be extended to other laboratories/departments of the two institutions to which the partners belong to the extent that individuals are able to locate suitable counterpartners at the other institution.

The receiving partner provides office space and academic facilities. Prior to finalizing individual visits, faculty members at both institutions shall secure approval from their respective department heads, deans, and university administrative officers.

For conditions of the exchange not covered by this memorandum of agreement or for problems which arise during the course of the exchange agreement, both parties agree to refrain from unilateral action and to consult and negotiate mutually agreeable decisions.

IOWA STATE UNIVERSITY

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Date: June 12, 1990

James Kiley
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INSTITUTE FOR AGRO-ECOLOGY

ZAGREB, YUGOSLAVIA

Professor Frane Tomic

Professor Ivan Marincic
Faculty of Agricultural Sciences
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Zagreb, Yugoslavia

Date: July 11, 1990

Date

Date